cabur

Terminal blocks
for electrical boards

November 2008 Edition

UNI EN-ISO 9001

UNI EN-ISO 14001

cabur

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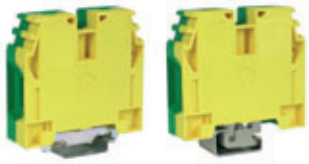
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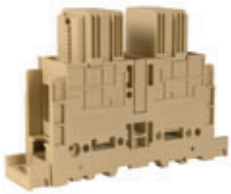
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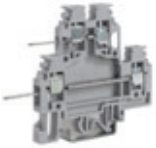
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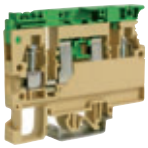
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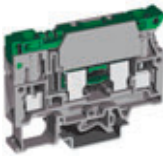
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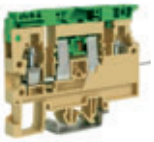
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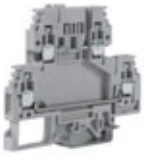
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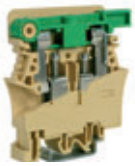
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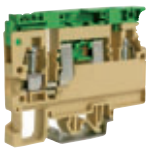
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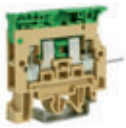
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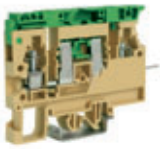
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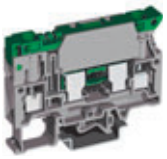
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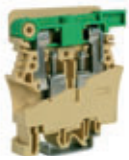
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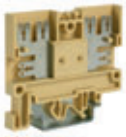
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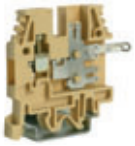
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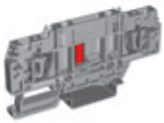
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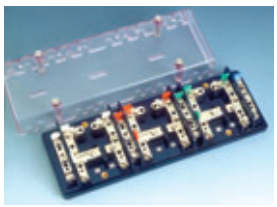

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- **Terminal blocks for electrical boards**
  polyamide screw clamp, spring-clamp terminal blocks, melamine insulated terminal blocks, terminal boards for metering panels, high current terminal blocks
- **Electronic products for electrical boards**
  power supplies, analog modules, relay modules, signal converters
- **Installation products**
  junction boxes terminals, distribution terminal boards, polyamide 12-pole terminal boards, connection systems for photovoltaic equipments
- **Heavy duty connectors**

If you wish to receive complete and updated technical documentation on Cabur products, please send a request using the dedicated form that you can download online on the www.cabur.eu website
http://www.cabur.eu/documentations

or just fill in, and send the form below

PLEASE SEND ME THE COMPREHENSIVE TECHNICAL DOCUMENTATION

Surname ..... Name ..... Function .....

Company Name ..... Field of activity: ❑ Distributor ❑ Installer ❑ Panel builder ❑ Other

Address ..... Town ..... POSTCODE .....

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Cabur 1952 2008

Shortly after its foundation, back in 1952, Cabur became a leading manufacturer of electrical panel terminal blocks, by focusing on installers' needs and providing leading edge technical solutions that, in some cases, would become popular in the industry.
In particular, in our product design and manufacturing, we have pioneered a quality focus on raw materials, functionality, reliability over time, and respect for the environment. That is the reason why Cabur was granted Class 1E (Equipment for Nuclear Power Generating Stations) qualification as early as in 1985 and, in addition, the ISO 9001/UNI-EN 29001 (Quality) and ISO 14001 (Environment) certifications, as well as compliance to Atex standards for "Ex e" installations on the most important terminal block lines.

UNI EN-ISO 14001

UNI EN-ISO 9001

New Headoffices

Following a recent significant growth in company structure, the organization was moved from the historic site in Albissola Marina to a new logistic and manufacturing centre in Altare (SV).
Rather than moving abroad, Cabur has opted to invest in Italy, by acquiring a new state-of-the-art 12,000 sqm production site.
By doubling our production surface and increasing our staff with the recruitment of new people, we will be able to rationalise and make our current production processes, logistics, and sales, even more efficient.

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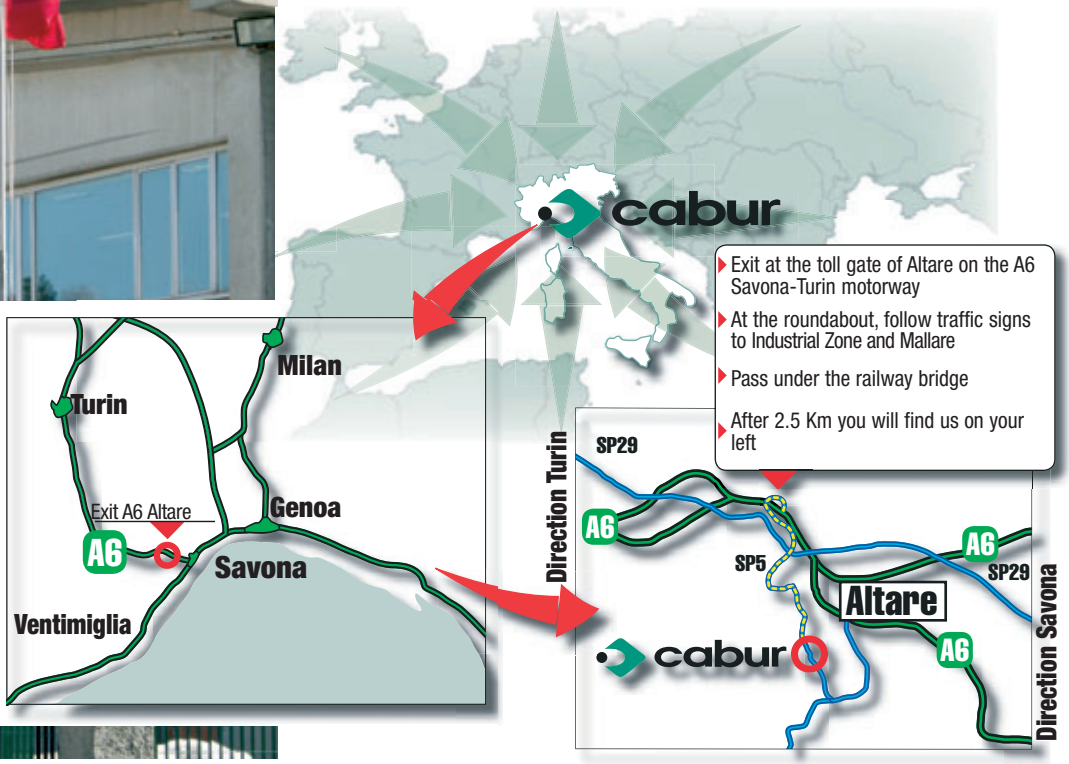
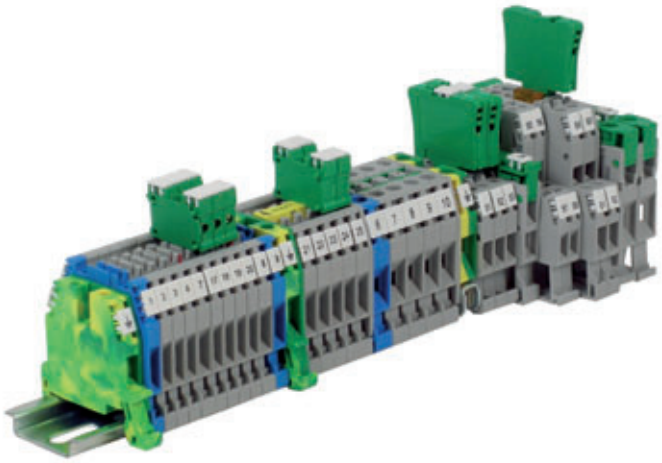


Product range

With over 50 years of experience, Cabur develops and produces, by its own designs, a wide range of products for the electrical industry, providing the best in working conditions, in terms of operability and reliability.
Current production of:

- **Terminal blocks for electrical boards**
- **Electronic products for electrical boards**
- **Installation products**

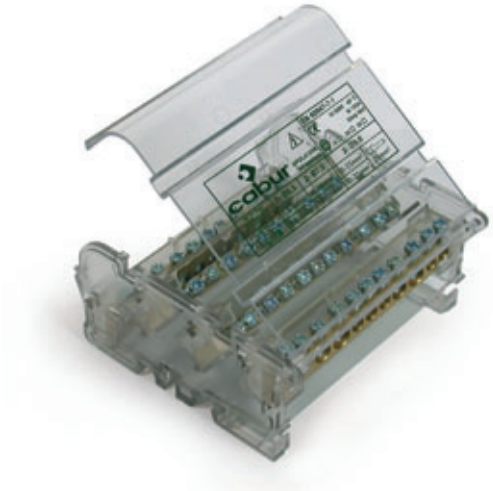
Fully meets users' varied and complex installation needs.
Our varied and diversified production represents the optimal synthesis of Cabur's long experience as partner of Italy's most important Industries and Research Laboratories, combined with foreign activities and collaboration, always with the aim of pinpointing and meeting users' installation needs.



In particular as a result of a specific planning decision, products in our "standard" series are designed to meet the fundamental requirements of the most severe installation conditions and environments, thus avoiding to produce special product series for specific applications. This kind of planning has determined a clear qualitative improvement in the entire production, as well as a more streamlined and simplified product management, first of all to the advantage of the Distribution, which can guarantee to final Clients the most efficient service.

In addition to terminal blocks, Cabur product offering features a full range of electronic products for electric panels for plant and machine automation and process control. These products are designed for an easy deploy and for easy material management, thanks to the use of innovative and leading-edge technology.

Following an agreement with Tyco Electronics, Cabur distributes in the Italian market the HTS **heavy duty connector line**, which enlarges and completes the product range with over 250 items, presenting a series of highly qualified solutions.
HTS was selected as our partner for their strong experience in this field, their reliability and top material and finished product quality.



Highest ...mass produced quality

We guarantee top performance of our contacts and maximum flexibility of connection solutions.
A full range of standard products for automation panels is available at all major Wholesalers. Full support is provided by Cabur sales force both in Italy and in over 30 countries abroad, as well as by our Engineers, in order to provide our clients with the best installation solutions.

www.cabur.eu Web Site

On our web site, our customers and industry operators can always get up-to-date information on new products and sales offers.
All data sheets of Cabur product range, including those in this Catalogue, are available on our online catalogue featuring advanced user-friendly search functions.

Moreover, on our web site you can:
- ask our specialists for technical information and application advice
- contact our sales staff and ask them for estimates
- download manuals and other technical literature
- get access to quality and compliance certificates
- look at our latest sales literature
- ask for free catalogues and brochures
- … and much more.

By this newsletter, Cabur communicates also via e-mail its main innovations and commercial activities to all those who apply for it through the registration form.
In conclusion, Cabur web site (**www.cabur.eu**) is the ideal tool to get real time information and contacts with our company.

In order to be promptly updated about the availability of new technical and commercial documentation, please register on the site and join the newsletter service.

ISO 9001 CSQ Certification

UNI EN-ISO 9001

Until recently, Cabur "Quality" was simply recognised through the appreciation of its customers. This has allowed the company to become a leader in Italy in the design, production and distribution of "terminal blocks for electrical panels" and, more recently, to extend its products offering to the segment of "electronic products" with recognised reliability levels in both Italian and foreign markets.
Obviously, this cannot be the result of improvisation, but of a constant organisation process begun back in 1985 with the definition and implementation of a Quality Assurance Programme based on ANSI N 45.2 (referred to the particularly severe nuclear environment) that has involved the entire structure of the Company and has made each function and worker responsible for quality standards.
Since 1995, CSQ (international institute for the certification of business quality systems) has certified the Quality system designed and adopted by Cabur.
The Quality system refers to the most complete and severe standard amongst UNI EN ISO 9000 series defining the requirements for Total Quality in Companies, that is ISO 9001, including the activities of Product Design, Development, Manufacturing and Customer Service.
After the issue of the new Edition of the Standard (ISO 9001.2000), the whole Quality System has been revised and renewed to be fully compliant with the new regulations. This compliance was confimed by CSQ with the new Certificate issued in 2003.

**THE QUALITY OF OUR PRODUCTS IS JUDGED BY OUR CUSTOMERS.
OUR QUALITY ASSURANCE SYSTEM IS CERTIFIED BY CSQ.**

ISO 14001 CSQ Certification

UNI EN-ISO 14001

In its continuous improvement process, CABUR has adopted an environmental management system since 2001, obtaining the international CSQ UNI EN 14001 recognition.
This goal represents a guarantee given of the respect Cabur has for the surrounding environment as well as a demonstration of the adoption of environmental safeguard rules and, additionally, a pledge for constant ecological improvement.
This kind of Certification is still quite uncommon in Italy; Cabur has nevertheless been able to achieve and add it to its corporate philosophy, which is always aimed at the anticipation, rather than to the passive adaptation, of those needs that are becoming more and more urgent and global. Environment is undoubtedly one of these issues and, anticipating many other companies, not only in Italy, Cabur firmly decided to adopt a system that monitors and prevents environmental risk, inherent to every stage of its manufacturing process.
Operational procedures and other paper documentation were unified and harmonised with the running Quality Assurance System and the manual, becoming of both Quality and Environmental Management, is now a complete reference point. The Quality Assurance and Environmental Management Department is at your complete disposal to provide any further information and/or clarification on the entire Quality / Environment System and Customer Service. Cabur can provide you with a copy of both CSQ and EQNET certificates, or with a copy of the Quality and Environmental Management manual.

The 2002/95/CE Directive

The 2002/95/CE Directive, known as RoHS, sets limits to the use of specific dangerous materials in electric and electronic devices.
The Directive applies exclusively to devices included in the following categories, as listed in attachment 1A of 2002/96/EC Directive, also knows as WEEE, excluding categories 8 and 9.

1. Large appliances excluding fixed ones
2. Small appliances
3. IT and telecommunication appliances
4. Consumers' appliances
5. Lighting appliances
6. Electric and electronic tools, excluding large fixed industrial tools
7. Toys and devices for hobbies and sports
10. Vending machines

Cabur Products' compliance to RoHS Directive

Cabur products are generally deployed in electric panels for electric distribution and for industrial automation, which are excluded from the application field of the RoHS Directive, as components of "fixed industrial tools" and of "fixed installations".
Nevertheless, in consideration of the needs of those Customers deploying Cabur products into devices and appliances that need to be RoHS compliant, we have decided to review our production according to RoHS Directive requirements.
From the beginning of the year we have been disposing of non-compliant items, not only to reduce dangerous substances but to eliminate them completely from components in our production, with a Zero Tolerance mindset.
The small amount of our products which is currently non-RoHS compliant consists of dated stocked parts or of those few items that cannot be produced by different materials or process yet. In any case, as mentioned above, these items are deployed in product categories that are not listed in the RoHS Directive application field.
Our staff is available for further details both on our products and on the application of the RoHS Directive.
For more information, please click on www.cabur.eu

CE Marking

All products in this catalogue meet all EU applicable standards when the catalogue was printed. Therefore, all required CE markings are placed on the products and on all product related documents.

Do not hesitate to contact our staff for any further information and/or explanations on Reference Standards. Cabur Customer Service can provide you with certificates of compliance to Reference Standards, type approvals, and CE markings.

Product Quality Assurance Notification according to ATEX 94/9/EC Directive

The procedure for renewal of the Product Quality Assurance Notification, granted to our Company, in 2001, as a manufacturer of equipment intended for use in potentially explosive atmospheres (increased safety measures) and according to the requirements given by **"ATEX" Directive 94/9/EC**, has been completed with a positive outcome.
The Product Quality Assurance Notification has been the most demanding stage in the process of Ex e Certificates conversion, which have been issued on the basis of the requirements given by elder European Directives, into updated documents.
The Notification procedure has included a first stage, characterised by the documentation analysis (Quality/Environment Manual + ATEX Quality Plan + Operational procedures), following which a preliminary visit took place (carried out at the Notifying Body premises).
Once the first step was successfully completed, the second (namely the Company Notification) took part and was carried out with the Certification visit.

ATEX Product Quality Assurance Notification

The relevant Notification number, granted by the Notifying Body is the following:

CESI 02 ATEX 028 Q

Our Quality and Environmental Management System today is consequently perfectly updated in order to fulfil also **ATEX** Directive. As in the occasion of the Environmental Management Certification, the ATEX Notification represents a significant goal achieved in the **continual improvement** path.

Ex Terminal blocks approved in conformity to ATEX 94/9/CE Directive

"increased safety" **(Ex e)** terminal blocks are manufactured according to EN 60079-0 / EN 60079-7 / EN 61241-0 Stds. and bear, on the insulating body, the name of the product and the electrical characteristics.

Marking: **0722** Ex **I M2 / II 2 G D**

0722	= number of the Notifying Body (CESI) for the ATEX surveillance
I M2	= group **I** (mines), category **M2**
II 2 G D	= group **II** (surface), category **2 G** (gas) **D** (dust)
Ex e	= type of protection
V	= nominal voltage

The marking CE indicates the Conformity to 73/23 Directive (Low Voltage).

Terminal blocks must be installed in Ex e enclosures; the enclosure / terminal blocks assembly must be subjected to separate certification.

The currents allowed for each terminal block, when used in potentially explosive environments (Ex e), are listed in the separated Certificate, granted to the assembly formed by terminal blocks + enclosure.

Rail assembly composition in potentially explosive (Ex e) environments

Each terminal block can be connected to contiguous elements by means of fixed cross-connections which are made unloosening by means of an elastic washer located under the head of the screw. For fixed cross-connections it is necessary to keep well separated the different phases, by interposing a coloured partition, having a thickness of 1.5 mm, between adjoining cross connections and between cross connections and adjoining terminal blocks.
The multiple cross connection, by means of the commoning bar, can be connected to different terminal blocks, provided that they are adjoining one to another.

cabur

Screw-clamp terminal blocks

Polyamide insulated

Feed-through and high-current terminal blocks

CBC series . . . . . pages 2-4
CBR.2 . . . . . page 5
GPA series . . . . . pages 6-7
TEC series . . . . . pages 8-9
CBD series . . . . . pages 10-15
GPM series . . . . . pages 16-19
ACB series . . . . . page 20
MBL series . . . . . pages 21-22

Earth terminal blocks

TEO series . . . . . page 23
CBE.2 . . . . . page 23
TED.4 . . . . . page 24
TE/O - TE/D series . . . . . pages 24-25
TTN.35 . . . . . page 25

Two and three-level terminal blocks

DBC.2 - DBC.2/CI . . . . . page 26
DAS.4 - DAS.4/CI . . . . . page 27
DAS.4/SS - DSS.4 . . . . . page 28
FVS.4 – FFS.4 . . . . . page 29
TLS.2 . . . . . page 30
TLE.2 - TLD.2 - TDE.2 . . . . . page 31

Fuse-holder terminal blocks

SFR.4 - SFO.4 - SFR.6/M . . . . . page 32
SFR.6 - SFR.4/VS - SFO.4/VS . . . . . page 33
MPFA.4 - DSFA.4 . . . . . page 34
CPF/5 component-holder cartridge . . . . . page 35
FPC.10 - FPL.10/C - FPL.10/L . . . . . page 36
SFR.4/C . . . . . page 37
SFO.4/C... - FPL.10/C... . . . . page 38

Disconnect terminal blocks

MPS.2/SW - MPS.2/SWP - MPS.2/SV . . . . . page 39
MPS.4 - MPS.4/VS - DSS.4 . . . . . page 40
SFR.4 - SFR.4/VS . . . . . page 41
SFO.4 - SFO.4/VS - SFR.6/M . . . . . page 42
SFR.6 - FPC.10 - SCB.4 . . . . . page 43

Terminal blocks for test and measurement circuits

SCB.6 series . . . . . page 45

Diode-holder terminal blocks

SFR.4 . . . . . page 46
SFR.4/D . . . . . page 47

Terminal blocks with electronic components

DAS.4/D... series . . . . . pages 48-49
DAS.4/V... series . . . . . page 50
DAS.4/... series . . . . . page 51

Terminal blocks with special connections and for connectors

AFO.2/1+1 - AFO.2/2+2 - AFO.2/2+2/TP . . . . . page 52
PDF.2 - FDP.2 - CVF.4 . . . . . page 53
CVF.4/ . . . . . page 54
CF.12/1+1 . . . . . page 55
CF.12/2+2 . . . . . page 56
TC/PO (for thermocouple circuits) . . . . . page 57
VPC.2 . . . . . page 58
VPD.2 . . . . . page 59
MAC - CAM system . . . . . pages 60-61

Mini-terminal blocks

RN.1 - RN.2 - RP.4 . . . . . page 62
RFI.2 - TR.2 - TR.4 . . . . . page 63

Multi-pole modular terminal boards

BPL – TPL series . . . . . pages 64-66

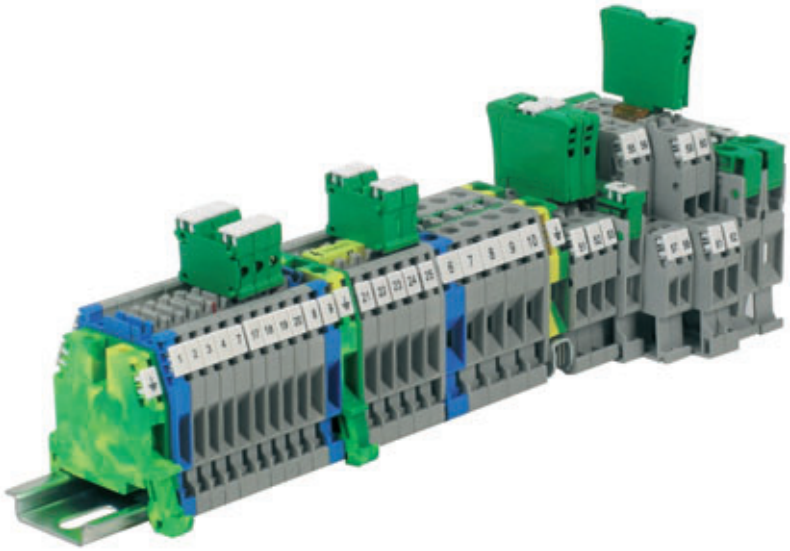
Neutral disconnect terminal blocks

CNT series . . . . . page 67

CBC Series

with UL94V-0 polyamide insulating body

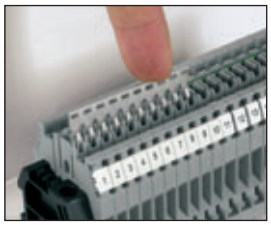
- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours



The design accuracy allows that terminal blocks having different cross-sections can nevertheless guarantee visual uniformity once the rail assembly is made.

Easy Bridge System

The cross-connection can be supplied in "standard" sizes, for 2-3-5-10 poles, or alternatively in lengths of 250 mm.



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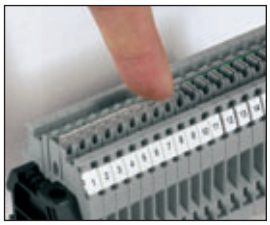

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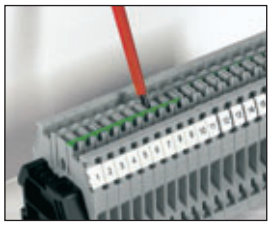

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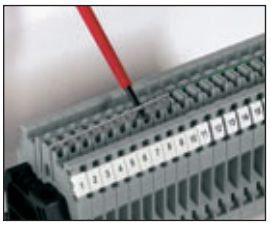

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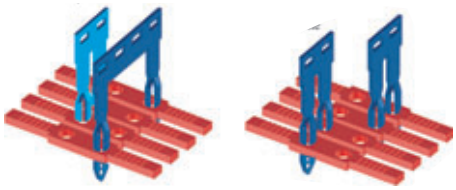
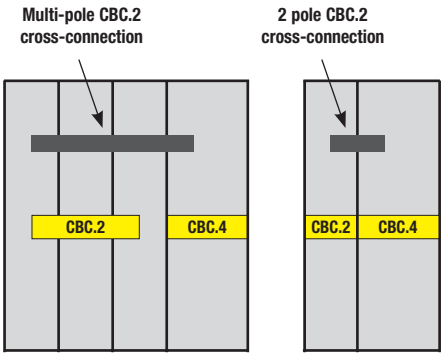


The "Easy Bridge" connection system guarantees the most diversified transversal connecting possibilities, even staggered.

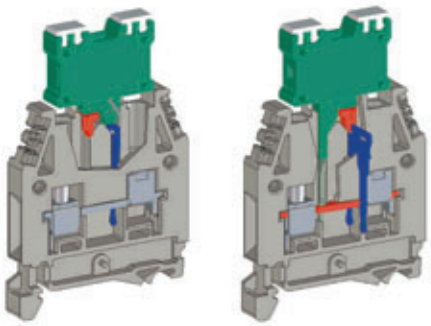


The jumpers can be used to connect in parallel terminal blocks having equal cross-section and the first of the adjoining group of terminal blocks of different size.

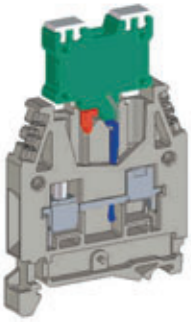
1-2 After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.

3-4 After having mounted the cross-connection, the connected poles can be outlined and detected by placing the PTC/SP green strip. This strip is supplied in a standard length of 100 mm and it can be easy cut to the appropriate length with the aid of a cutter.

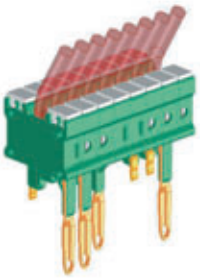
5 To remove the cross-connection, it is sufficient to remove the PTC/SP strip: insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.



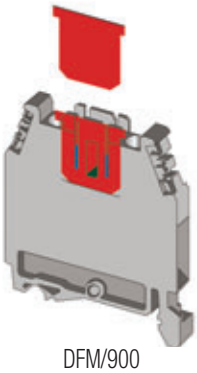
SDC
mounted



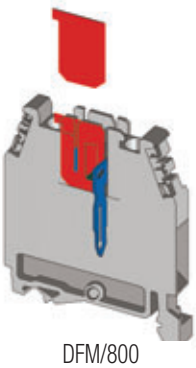
SDC/P
mounted



SDC - SDC/P
with conductors



DFM/900



DFM/800

CBC Series

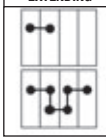
with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours

(*): 24 A factory wiring only
(**): 32 A factory wiring only

*The **/GR** tag indicates the grey colour version.*

PTC jumper configurations

SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					

Terminal block	Jumper	Insulation voltage in the above configurations (V)					
CBC.2	PTC/2	630	630		500	500	500
CBC.4	PTC/4	630	500		500	500	500
CBC.6	PTC/6	630	630		630	630	630

NEW **grey version**	**CBC.2/GR** Cat. No. **CBC02GR**	**CBC.4/GR** Cat. No. **CBC04GR**	**CBC.6/GR** Cat. No. **CBC06GR**
beige version	**CBC.2** Cat. No. **CBC02**	**CBC.4** Cat. No. **CBC04**	**CBC.6** Cat. No. **CBC06**
(Ex)i version	**CBC.2 (Ex)i** Cat. No. **CBI02**	**CBC.4 (Ex)i** Cat. No. **CBI04**	**CBC.6 (Ex)i** Cat. No. **CBI06**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	2,5	4	6
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	4 - WP40/16	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 24 A / A3	1000 V / 32 A / A4	1000 V / 41 A / A5
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A (*) / 20-12 AWG / 0,4 Nm	600 V / 30 A (**) / 20-10 AWG / 0,5 Nm	600 V / 50 A / 20-8 AWG / 1,7 Nm
max current (*)	27 A (2,5 mm²) / 37 A (4 mm²)	38 A (4 mm²) / 45 A (6 mm²)	53 A (6 mm²)
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	9	10	10
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,5 / 1,2	0,8 / 1,4
height / width / thickness ⊐⊏ TH/35 7,5 mm	52 / 44 / 5	52 / 44 / 6	52 / 44 / 8
height / width / thickness ⊏⊐ TH/35 15 mm	60 / 44 / 5	60 / 44 / 6	60 / 44 / 8
APPROVALS	c UL us, KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1, UL BR; ATEX Ex e and IEC Ex pending	c UL us, KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1, UL BR; ATEX Ex e and IEC Ex pending	c UL us, KEMA KEUR, Enel Distribuzione DV 27/1; ATEX Ex e and IEC Ex pending

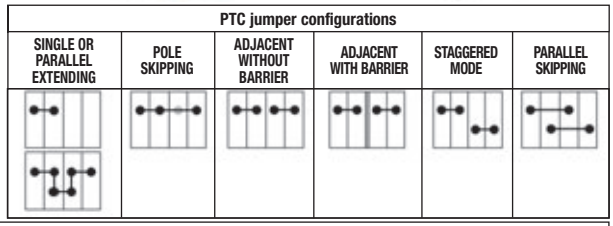
ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**CBC.2-10/PT/GR**	CB061GR	**CBC.2-10/PT/GR**	CB061GR	**CBC.2-10/PT/GR**	CB061GR
	beige	**CBC.2-10/PT**	CB061	**CBC.2-10/PT**	CB061	**CBC.2-10/PT**	CB061
	blue	**CBC.2-10/PT (Ex)i**	CBI061	**CBC.2-10/PT (Ex)i**	CBI061	**CBC.2-10/PT (Ex)i**	CBI061
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/2/02** poles	PTC0202	**PTC/4/02** poles	PTC0402	**PTC/6/02** poles	PTC0602
		PTC/2/03 poles	PTC0203	**PTC/4/03** poles	PTC0403	**PTC/6/03** poles	PTC0603
		PTC/2/05 poles	PTC0205	**PTC/4/05** poles	PTC0405	**PTC/6/05** poles	PTC0605
		PTC/2/10 poles	PTC0210	**PTC/4/10** poles	PTC0410	**PTC/6/10** poles	PTC0610
		PTC/2/00 (50 poles)	PTC0200	**PTC/4/00** (50 poles)	PTC0400	**PTC/6/00** (50 poles)	PTC0600
Rated current carrying capacity of jumper	(A)	**24**		**32**		**41**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFU/4**	DU04..	**DFU/4**	DU04..	**DFU/4**	DU04..
Cross connection barrier	red	**DFM/800 - DFM/900**	DF800-900	**DFM/800 - DFM/900**	DF800-900	**DFM/800 - DFM/900**	DF800-900
Test plug socket		-		-		-	
Test plug		**SDC/5 - SDC/5P**	DC005-DC05P	**SDC/6 - SDC/6P**	DC006-DC06P	-	
Modular test plug		**SDC/POL**	DCPOL	**SDC/POL**	DCPOL	-	
End section for modular test plug		-		-		-	
Numbering strip		**SNZ/508**	SN009	**SNZ/60**	SN007	**SNZ/8**	SN004
Warning plate	on adjacent terminal blocks	**PRP/7/G** (100 mm)	PRP070G	**PRP/7/G** (100 mm)	PRP070G	**PRP/7/G** (100 mm)	PRP070G
		-		-		-	
Cover for cross-connection		-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8 - CSC**	NU...-CS...	**CNU/8 - CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO for PR/3 only	BT007	**BTO** for PR/3 only	BT007	**BTO** for PR/3 only	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.	⊏⊐	-		-		-	
	⊐⊏	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented “Easy bridge” system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., “TH/35” type
- available in grey RAL 7042 and beige RAL 1001 colours

(*) value referred to the characteristics of the terminal block alone, within the temperature range according to IEC 60947-7-1 Std.



Terminal block	Jumper	Insulation voltage in the above configurations (V)					
CBC.10	PTC/10	800	630		630	800	630

*The **/GR** tag indicates the grey colour version.*

NEW grey version	CBC.10/GR Cat. No. CBC10GR	CBC.16/GR Cat. No. CBC16GR	CBC.35/GR Cat. No. CBC35GR
beige version	CBC.10 Cat. No. CBC10	CBC.16 Cat. No. CBC16	CBC.35 Cat. No. CBC35
(Ex)i version	CBC.10 (Ex)i Cat. No. CBI10	CBC.16 (Ex)i Cat. No. CBI16	CBC.35 (Ex)i Cat. No. CBI35
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	10	25	50
connecting capacity			
flexible (mm²)	1,5 ÷ 16	1,5 ÷ 25	2,5 ÷ 50
rigid (mm²)	1,5 ÷ 16	1,5 ÷ 25	2,5 ÷ 50
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	16 - WP160/22	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 57 A / B6	1000 V / 101 A (25 mm²) / B7	1000 V / 150 A (50 mm²) / B9
rated voltage / rated current / AWG / tightening torque value UL	600 V / 65 A / 14-6 AWG / 1,9 Nm	600 V / 100 A / 16-3 AWG / 2,8 Nm	600 V / 125 A / 20-1 AWG / 8,47 Nm
max current (*)	70 A (10 mm²) / 85 A (16 mm²)	114 A (25 mm²)	160 A (50 mm²)
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	12	15	18
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	2 / 3	2,5 / 5
height / width / thickness TH/35 7,5 mm	52 / 44 / 10	56 / 47 / 12	63 / 56 / 16
height / width / thickness TH/35 15 mm	60 / 44 / 10	64 / 47 / 12	71 / 56 / 16
APPROVALS	ATEX Ex e and IEC Ex pending	ATEX Ex e and IEC Ex pending	ATEX Ex e and IEC Ex pending

ACCESSORIES		CBC.10/GR Type	Cat. No.	CBC.16/GR Type	Cat. No.	CBC.35/GR Type	Cat. No.
End sections	grey	**CBC.2-10/PT/GR**	CB061GR	**CBC.16/PT/GR**	CB161GR	**CBC.35/PT/GR**	CB351GR
	beige	**CBC.2-10/PT**	CB061	**CBC.16/PT**	CB161	**CBC.35/PT**	CB351
	blue	**CBC.2-10/PT (Ex)i**	CBI061	**CBC.16/PT (Ex)i**	CBI161	**CBC.35/PT (Ex)i**	CBI351
Permanent cross connection (*): intrinsically IPXXB protected once mounted)		**PTC/10/02** poles (*)	PTC1002	**POF/53**	POF53	**POF/06**	POF06
		PTC/10/03 poles	PTC1003				
		PTC/10/05 poles	PTC1005				
		PTC/10/10 poles	PTC1010				
		PTC/10/00 (25 poles)	PTC1000				
Rated current carrying capacity of jumper	(A)	**57**		**76**		**125**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	-		-	
Switchable cross connection		-		**POS/53**	POS53	-	
Multiple common bar	250 mm	-		**PMP/05**	PMP05	**PMP/06**	PMP06
Shunting screw and sleeve		-		**CPM/53**	CPM53	**CPM/06**	CPM06
Coloured partition	red, green, white	**DFU/4**	DU04..	**DFU/4**	DU04..	**DFU/5**	DU05..
Cross connection barrier	red	**DFM/800 - DFM/900**	DF800-900	**DFM/700**	DF700	**DFM/700**	DF700
Test plug socket		-		**PSD/B**	PD002	**PSD/B**	PD002
Test plug		-		**SDD/2**	DD002	**SDD/2**	DD002
Modular test plug		-		-		-	
End section for modular test plug		-		-		-	
Numbering strip		**SNZ/10**	SN005	-		-	
Warning plate	on adjacent terminal blocks	**PRP/7/G** (100 mm)	PRP070G	**TUM/16** on 3 and 4	TUM16	**TUM/06** on 3 and 4	TUM06
		-		-		-	
Cover for cross-connection		-		**PRP/7**	PRP07	**PRP/8**	PRP08
Marking tag	printed or blank	**CNU/8 - CSC**	NU...-CS...	**CNU/8 - CSC**	NU...-CS...	**CNU/8 - CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO for PR/3 only	BT007	**BTO** for PR/3 only	BT007	**BTO** for PR/3 only	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

CBR Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours

*The **/GR** tag indicates the grey colour version.*

NEW grey version	CBR.2/GR Cat. No. CR110GR
beige version	CBR.2 Cat. No. CR110
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	feed-through (2 inputs / 2 outputs)
rated cross-section (mm²)	2,5
connecting capacity	
flexible (mm²)	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 20-14 AWG / 0,6 Nm
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	8 (upper) / 14,5 (lower)
tightening torque value (test / recommended) (Nm)	0,4 / 0,8
height / width / thickness TH/35 7,5 mm	52 / 43 / 5
height / width / thickness TH/35 15 mm	60 / 43 / 5
height / width / thickness G32	56 / 43 / 5
APPROVALS	c UL us, KEMA KEUR, UL BR

ACCESSORIES		Type	Cat. No.
End sections	grey beige blue	**CBR/PT/GR** **CBR/PT**	CR111GR CR111
Permanent cross connection		**PM/25/2** poles **PM/25/3** poles **PM/25/5** poles **PM/25/10** poles	PM252 PM253 PM255 PM250
Rated current carrying capacity of jumper	(A)	**24**	
Cross-connection identification strip (100 mm)	green	-	
Switchable cross connection		-	
Multiple common bar	250 mm	**PMP/25**	PMP25
Shunting screw and sleeve		**CPM/25**	CPM25
Coloured partition	red, green, white	**DFU/4**	DU04..
Cross connection barrier	red	-	
Test plug socket		**PSD/K**	PD011
Test plug		**SDD/1**	DD001
Modular test plug		-	
End section for modular test plug		-	
Numbering strip		**SNZ/508**	SN009
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connection		**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3 **BTO** for PR/3 only **BT/3** for PR/3 only **BT/DIN/PO**	BT005 BT007 BT003 BT001
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** for PR/DIN and PR/3 **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002
		PR/3/AC for PR/DIN and PR/3 **PR/3/AS** same with slots	PR003 PR005

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.,"G32" and "TH/35" types
- panel mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections (GPA.70)
- standard version available in grey RAL 7042 and beige RAL 1001 colours; panel-mount version available in beige RAL 1001 colour

*The **/GR** tag indicates the grey colour version.*

version suited to be used in (Ex)i "intrinsic safety" circuits (RAL 5015 blue colour)
GPA.70 (Ex)i Cat. No. GA410
GPA.95 (Ex)i Cat. No. GA110

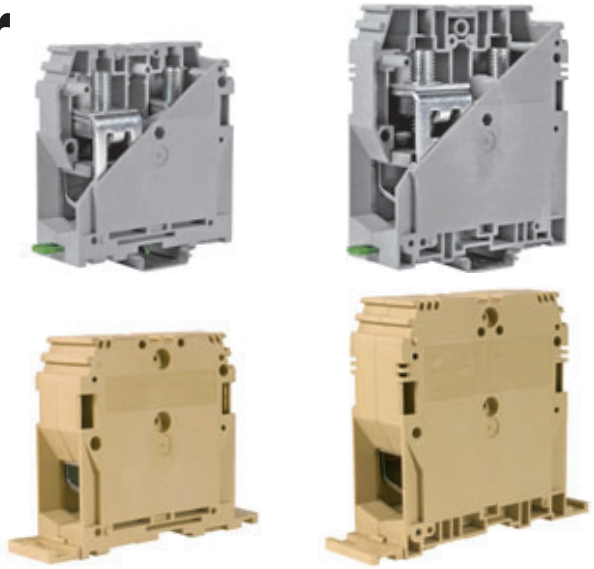
NEW	GPA.70/GR Cat. No. GA400GR	GPA.95/GR Cat. No. GA100GR
grey version		
beige version	GPA.70 Cat. No. GA400	GPA.95 Cat. No. GA100
grey panel-mount version		
beige panel-mount version	GPA.70/FIX Cat. No. GF400	GPA.95/FIX Cat. No. GF100
TECHNICAL CHARACTERISTICS		
function / type	feed-through	feed-through
rated cross-section (mm²)	70	95
connecting capacity		
flexible (mm²)	10 ÷ 95	10 ÷ 95
rigid (mm²)	10 ÷ 95	10 ÷ 120
bars and/or cable lugs	-	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 192 A / B11	1000 V / 232 A / B12
rated voltage / rated current / AWG / tightening torque value UL	1000 V / 215 A / 8 AWG str. ÷ 4/0 AWG str. / 79,5 lb.in	1000 V / 232 A / 2 AWG sol./str. ÷ 250 MCM str. / 90 lb.in.
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3
insulation stripping length (mm)	25	30
tightening torque value - bar (test / recommended) (Nm)	-	-
tightening torque value - cable (test / recommended) (Nm)	6 / 9 (Allen screw, 4 mm wrench)	6 / 9 (Allen screw, 4 mm wrench)
height / width / thickness TH/35 7,5 mm	70 / 91 / 20,5	87 / 98 / 26
height / width / thickness TH/35 15 mm	78 / 91 / 20,5	95 / 98 / 26
height / width / thickness G32	75 / 91 / 20,5	91 / 98 / 26
height / width (fixing distance between centres) / thickness (panel mount)	75 / 102 (88) / 20,5	91 / 111 (97) / 26
APPROVALS	c UL us, KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1, UL BR	c UL us, KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1, UL BR

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey beige	-		-	
Permanent cross connection		**POF/70** (2 poles)	POF70	- - -	
Rated current carrying capacity of jumper	(A)	**192**		-	
Multiple common bar	250 mm	**PMP/08**	PMP08	-	
Shunting screw and sleeve		**CPM/70**	CPM70	-	
Coloured partition	red, green, white	**DF/GPA/70**	DU070	-	
Cross connection barrier	red	-		-	
Test plug socket		**PSD/C**	PD003	-	
Test plug		**SDD/2**	DD002	-	
Numbering strip		**TIM**	TIM02	**TIM**	TIM02
Cover for cross-connection		**PRP/08**	PRP08	-	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3	**ACI121213** **ACI121024**	Z121213 Z121024	**ACI121213** **ACI121024**	Z121213 Z121024
Marking tag	printed or blank	**CNU/8** **CSC**	NU... CS...	**CNU/8** **CSC**	NU... CS...
End bracket		**BTU** for PR/DIN and PR/3 **CDA/BT** for PR/DIN only **BT/3-BTO** for PR/3 only	BT005 CD003 BT003-BT007	**BTU** for PR/DIN and PR/3 **CDA/BT** for PR/DIN only **BT/3-BTO** for PR/3 only	BT005 CD003 BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002	**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002
		PR/3/AC of steel **PR/3/AS** same with slots	PR003 PR005	**PR/3/AC** of steel **PR/3/AS** same with slots	PR003 PR005

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.,"G32" and "TH/35" types
- panel mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour



grey version		**GPA.150/GR** Cat. No.	**GA200GR**	**GPA.240/GR** Cat. No.	**GA300GR**
beige version		**GPA.150** Cat. No.	**GA200**	**GPA.240** Cat. No.	**GA300**
grey panel-mount version					
beige panel-mount version		**GPA.150/FIX** Cat. No.	**GF200**	**GPA.240/FIX** Cat. No.	**GF300**
TECHNICAL CHARACTERISTICS					
function / type		feed-through		feed-through	
rated cross-section	(mm²)	150		240	
connecting capacity					
flexible	(mm²)	50 ÷ 150		95 ÷ 240	
rigid	(mm²)	50 ÷ 185		50 ÷ 300	
bars and/or cable lugs		-		-	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	1000 V / 309 A / B14		1000 V / 415 A / B16	
rated voltage / rated current / AWG / tightening torque value	UL	1000 V / 309 A / 1/0 AWG str ÷ 350 MCM str. / 142 lb.in		1000 V / 415 A / 3/0 AWG str. ÷ 600 MCM str. / 300 lb.in.	
rated impulse withstand voltage / pollution degree		12 KV / 3		12 KV / 3	
insulation stripping length	(mm)	35		40	
tightening torque value - bar (test / recommended)	(Nm)	-		-	
tightening torque value - cable (test / recommended)	(Nm)	10 / 15 (Allen screw, 5 mm wrench)		14 / 21 (Allen screw, 6 mm wrench)	
height / width / thickness	TH/35 7,5 mm	99 / 108 / 31		120 / 119 / 37	
height / width / thickness	TH/35 15 mm	106 / 108 / 31		128 / 119 / 37	
height / width / thickness	G32	103 / 108 / 31		124 / 119 / 37	
height / width (fixing distance between centres) / thickness (panel mount)		94 / 122 (106) / 31		115 / 134 (118) / 37	
APPROVALS					
ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	grey beige	-		-	
Permanent cross connection		- - -		- - -	
Rated current carrying capacity of jumper	(A)	-		-	
Multiple common bar	250 mm	-		-	
Shunting screw and sleeve		-		-	
Coloured partition	red, green, white	-		-	
Cross connection barrier	red	-		-	
Test plug socket		-		-	
Test plug		-		-	
Numbering strip		**TIM**	TIM02	**TIM**	TIM02
Cover for cross-connection		-		-	
Mounting rail support	flat for PR/DIN and PR/3 sloped for PR/DIN and PR/3	**ACI121213** **ACI121024**	Z121213 Z121024	**ACI121213** **ACI121024**	Z121213 Z121024
Marking tag	printed or blank	**CNU/8** **CSC**	NU... CS...	**CNU/8** **CSC**	NU... CS...
End bracket		**BTU** for PR/DIN and PR/3 **CDA/BT** for PR/DIN only **BT/3-BTO** for PR/3 only	BT005 CD003 BT003-BT007	**BTU** for PR/DIN and PR/3 **CDA/BT** for PR/DIN only **BT/3-BTO** for PR/3 only	BT005 CD003 BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002	**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002
		PR/3/AC of steel **PR/3/AS** same with slots	PR003 PR005	**PR/3/AC** of steel **PR/3/AS** same with slots	PR003 PR005

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std.,"TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std.,"G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series

version to be mounted onto PR/3 rail	**TEC.6/0** Cat. No. **T0120**	**TEC.10/0** Cat. No. **T0510**	**TEC.16/0** Cat. No. **T0220**
version to be mounted onto PR/DIN rail	**TEC.6/D** Cat. No. **TE120**	**TEC.10/D** Cat. No. **TE510**	**TEC.16/D** Cat. No. **TE220**
TECHNICAL CHARACTERISTICS			
function / type	earth terminal block	earth terminal block	earth terminal block
rated cross-section (mm²)	6	10	16
connecting capacity			
flexible (mm²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 41 A / A5	- / 57 A / B6	- / 76 A / B7
rated voltage / rated current / AWG UL	-	-	-
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	10	12	18
tightening torque value (test / recommended) (Nm)	0,8 / 1,4	1,2 / 1,9	-
height / width / thickness TH/35 7,5 mm	52 / 44 / 8	52 / 44 / 10	56 / 47 / 12
height / width / thickness TH/35 15 mm	60 / 44 / 8	60 / 44 / 10	64 / 47 / 12
height / width / thickness G32	53 / 44 / 8	53 / 44 / 10	57 / 47 / 12
APPROVALS	KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending	KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending	KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	-		-		-	
Marking tag printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
	CSC	CS...	**CSC**	CS...	**CSC**	CS...
Numbering strip	**SNZ/8**	SN004	**SNZ/10**	SH005	-	
End bracket	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
Mounting rail according to IEC 60715 Std.	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
	PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
	PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
	PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
	PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

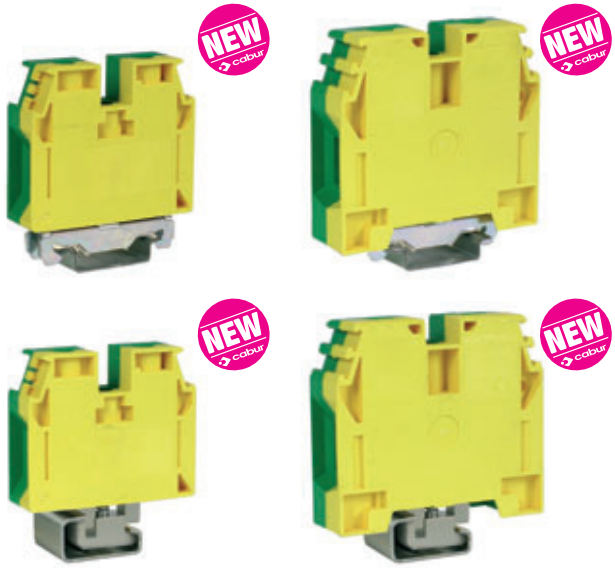
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std.,"TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std.,"G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series



version to be mounted onto PR/3 rail		**TEC.35/0** Cat. No. **T0320**	**TEC.70/0** Cat. No. **T0810**
version to be mounted onto PR/DIN rail		**TEC.35/D** Cat. No. **TE320**	**TEC.70/D** Cat. No. **TE820**
TECHNICAL CHARACTERISTICS			
function / type		earth terminal block	earth terminal block
rated cross-section	(mm²)	35	70
connecting capacity			
flexible	(mm²)	2,5 ÷ 50	10 ÷ 95
rigid	(mm²)	2,5 ÷ 50	10 ÷ 95
max. flexible with ferrule (mm²)-ferrule type		-	-
tensione nom. / corrente nom. / calibro	sec. IEC 60947-7-2	- / 125 A / B9	- / 192 A / B11
rated voltage / rated current / AWG	UL	-	-
(Ex e) rated voltage /	(V)	-	-
rated impulse withstand voltage / pollution degree		12 KV / 3	12 KV / 3
insulation stripping length	(mm)	18	25
tightening torque value (test / recommended)	(Nm)	2,5 / 5	6 / 9 (vite cava esag. chiave 4 mm)
height / width / thickness	TH/35 7,5 mm	63 / 56 / 16	74 / 70 / 20,5
height / width / thickness	TH/35 15 mm	71 / 56 / 16	82 / 70 / 20,5
height / width / thickness	G32	64 / 56 / 16	75 / 70 / 20,5
APPROVALS		KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending	KEMA-KEUR, UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
		CSC	CS...	**CSC**	CS...
Numbering strip		**SNZ/8**	SN004	**SNZ/10**	SH005
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/3/AS same with slots	PR004	**PR/3/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

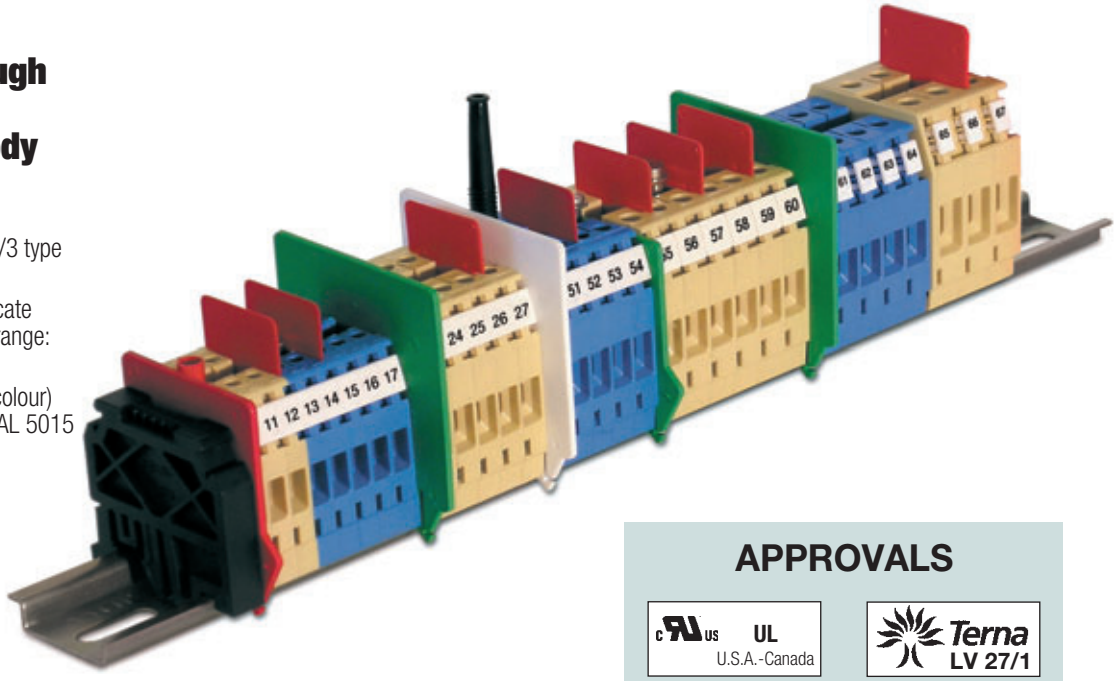
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

CBD Series

Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U** Ex e ⟨Ex⟩ certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



APPROVALS

UL U.S.A.-Canada
Terna LV 27/1
KEMA - KEUR The Netherlands
CESI ATEX Ex e Italy
Enel Distribuzione DV 27/1
BBJ-SEP Poland
Lloyd's Register United Kingdom
R.I.NA. Italy

The CBD Series consists of eight sizes, featuring:
- reduced overall dimension
- high connecting capacity
- superior effective current carrying capacity, with respect to the prescribed reference values
- very low contact resistance of the resulting connection
- materials of excellent quality and, consequently, maximum reliability throughout time
- very practical usage

Cabur has always designated every product through a type reference, consisting of letters (usually 3) and a number, with an interposing full-stop.
With this number the **rated cross-section** of the terminal block itself has always been defined; this value, as the reference Standard states *"…is a value of connectable conductor cross-section, stated by the manufacturer, and to which certain thermal, mechanical and electrical requirements are referred"*.
Nevertheless, the application field of the terminal block is much wider and is defined by its **connecting capacity**, in other words the range of conductor sizes, both rigid and flexible, minimum and maximum, that a terminal block can connect, fully respecting all the parameters given by the reference standards.

In the following table, in fact, the "usual" type reference of every terminal block has been integrated with the addition, after the existing digits which retain the indication of the rated cross-section, of another numerical value (written in smaller characters, in red and separated by the digits indicating the rated cross-section by a /). This second group of digits represents, in mm², the **maximum size of the flexible conductor that can effectively be connected to the terminal block**. If rigid conductors (solid or stranded) are to be connected, reference must be always made to the indications given by the relevant technical characteristics of each product and under "connecting capacity"; in most cases in fact the size of the maximum rigid conductor is even greater.
By stating the wide connecting capacity feature, with the occasion some sizes among the CBD Series have been reconsidered; firmly maintaining the eight rated cross-sections, the existing types CBD.25 and CBD.35 have been reviewed and, after the actions and the verifications which have taken place, re-evaluated as **CBD.35** e **CBD.50**; the latter rated cross-section up to this point, has never considered within Cabur product range, but has nevertheless wide use.

Type	Rated cross section (mm²)	Flexible conductor (mm²)		Rigid conductor (mm²)		Gauge	Max. current (A)
		min.	max.	min.	max.		
CBD.2/4	2,5	0,5	4	0,5	4	A3	29
CBD.4/6	4	0,5	6	0,5	6	A4	40
CBD.6/10	6	0,5	10	0,5	10	A5	58
CBD.10/16	10	0,5	16	0,5	16	B6	77
CBD.16/25	16	0,5	25	0,5	25	B7	104
CBD.35/35	35	0,5	35	0,5	50	B8	147
CBD.50/50	50	1,5	50	1,0	70	B9	180
CBD.70/95	70	1,5	95	1,0	95	B11	250

type of connection:
by means of screws, on both sides, indirect and anti-loosening. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by means of screws ensures the best mechanical performance and efficiency of the current flow. It is suitable for the connection, with or without preparation of conductors of all cross-sections. The tightening and un-tightening operations are extremely simple and they can be carried out with tools, such as screwdrivers, which are always at hand. Its is however important to use an appropriately sized screwdriver in order to avoid the damaging either of the screw itself or the insulating body.

conducting body:
of the tube type **entirely of a copper and zinc alloy and treated with nickel-plating**; the characteristics of the material used and the manufacturing methods are such as to avoid the phenomenon of "seasoning cracking".

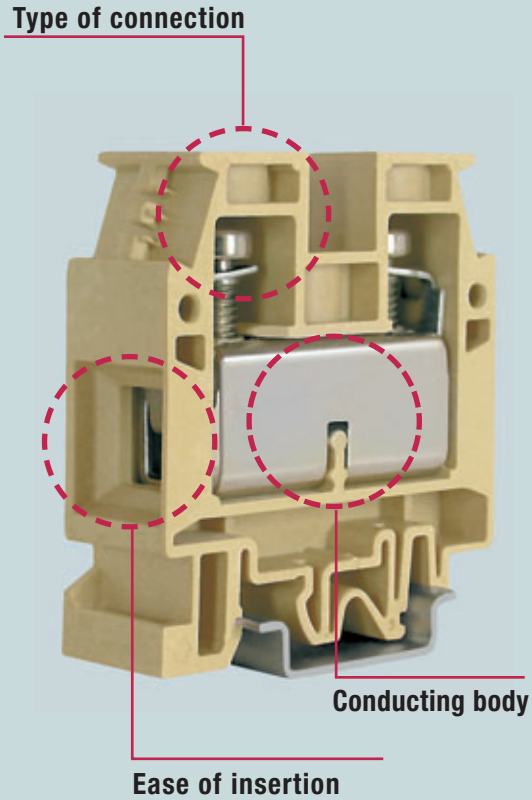
tightening reliability:
special orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates, ensure under all conditions the perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly effective by the spring function of the pressure plate, which in a certain way and under the pushing action of the screws, tends to flex; in this way a reaction to the head of the screw itself, is exerted, resisting unscrewing, even under dynamic stress (vibrations).

ease of insertion:
insertion of the conductor into the terminal block is made easy by:
- sloping entrance planes on the insulating body
- the rounded edges of the pressure plate
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

other functions:
besides their main as feed-through function, CBD terminal blocks are designed in such a way as to carry out other functions. In fact, by means of a prearranged threaded hole on the upper side of the conducting body it is possible:
- to create a cross-connection (either permanent or switchable) between two adjoining terminal blocks
- to create a multiple common bar connection between several adjoining terminal blocks
- to insert a socket for a test plug
- to insert a composable test plug for multiple signal shunting.

marking: all CBD terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric marking up to a maximum of 6 characters (an ADR/6 adapter though is required if more than 4 characters are to be inserted on each side).

mounting: CBD series polyamide terminal blocks are designed to be mounted on two types of rail, **"G32"** or **"TH/35"** (acc. to the IEC 60715), with obvious advantages towards supply, management and use in general of the product.



SNZ marking

CNU/8 marking

CSC marking

TH/35-7,5 rail

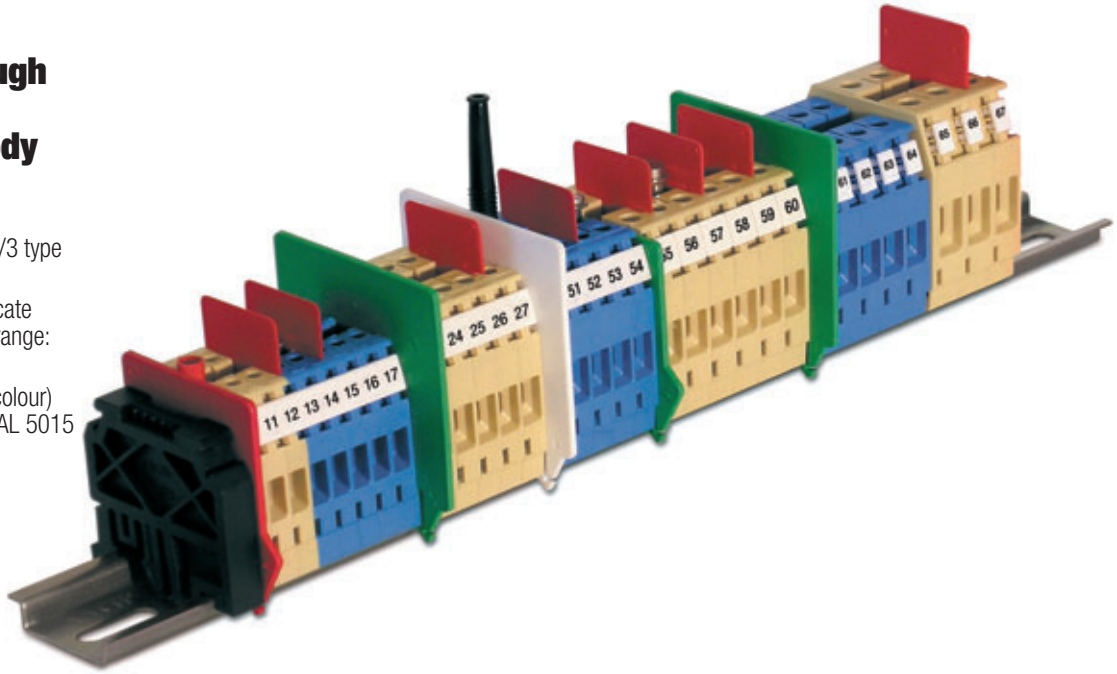
TH/35-15 rail

"G 32" rail

CBD Series

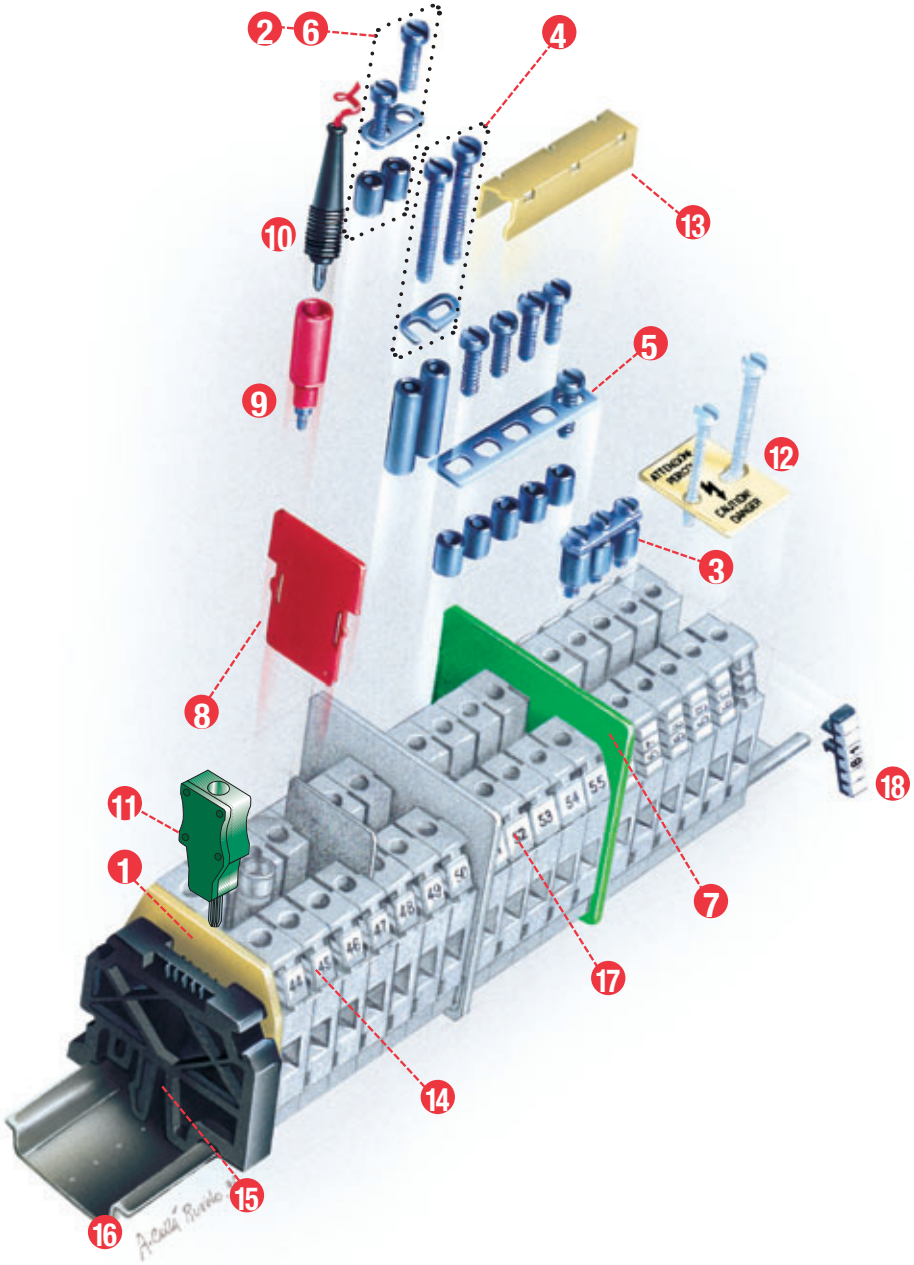
Screw-clamp feed-through terminal blocks with polyamide insulating body

- UL94V-0 flame behaviour
- universal mounting onto PR/DIN and PR/3 type rails according to IEC 60715 Std.
- **CESI 01 ATEX 090 U** Ex e Ⓔx certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions



Accessories

1. End section
2. Permanent cross connection
3. Pre-assembled cross connection
4. Switchable cross connection
5. Multiple cross connection
6. Shunting screw and sleeve
7. Coloured partition
8. Cross connection barrier
9. Test plug socket
10. Test plug
11. Modular test plug
12. Warning plate
13. Cross connection cover
14. Marking tag
15. End bracket
16. Mounting rail
17. Numbering strip
18. Tag adapter



Various accessories *(the picture shows those specific to the CBD series, some of which are also used for other models)*

CBD Series

with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- **CESI 01 ATEX 090 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions

(*): 25 A factory wiring only

(**): 32 A factory wiring only

(***) if shielded cables are to be connected, when using CB/SH screening lug, the rated voltage is reduced to 200 V

beige version	CBD.2 Cat. No. CB110	CBD.4 Cat. No. CB240	CBD.6 Cat. No. CB340
(Ex)i version	**CBD.2 (Ex)i Cat. No. CBX12**	**CBD.4 (Ex)i Cat. No. CBX24**	**CBD.6 (Ex)i Cat. No. CBX34**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	2,5	4	6
connecting capacity			
flexible (mm²)	0,5 ÷ 4	0,5 ÷ 6	0,5 ÷ 10
rigid (mm²)	0,5 ÷ 4	0,5 ÷ 6	0,5 ÷ 10
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	4 - WP40/16	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3	800 V / 32 A / A4	800 V / 41 A / A5
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A (*) / 20-12 AWG / 5,5 lb.in	600 V / 30 A (**) / 20-10 AWG / 8,9 lb.in	600 V / 50 A / 20-8 AWG / 13,3 lb.in.
(Ex e) rated voltage ⊏⊐ / ⊔⊔ (V)	500 V / 630 V	500 V / 630 V	500 V / 630 V
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	14	14
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,5 / 1,2	0,8 / 1,4
height / width / thickness ⊔⊔ TH/35 7,5 mm	47 / 40,5 / 5,5	52 / 44 / 6,5	52 / 44 / 8
height / width / thickness ⊔⊔ TH/35 15 mm	55 / 40,5 / 5,5	60 / 44 / 6,5	60 / 44 / 8
height / width / thickness ⊏⊐ G32	51 / 40,5 / 5,5	56 / 44 / 6,5	56 / 44 / 8
APPROVALS	IEC Ex pending	IEC Ex pending	IEC Ex pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	beige	**CB2/PT**	CB111	**CB4/6/PT**	CB241	**CB4/6/PT**	CB241
	blue	**CB2/PT (Ex)i**	CBX13	**CB4/6/PT (Ex)i**	CBX25	**CB4/6/PT (Ex)i**	CBX25
Permanent cross connection		**PM/20/2** poles (pre-assembled)	PM202	**PM/40/2** poles (pre-assembled)	PM402	**PM/60/2** poles (pre-assembled)	PM602
		PM/20/3 poles (pre-assembled)	PM203	**PM/40/3** poles (pre-assembled)	PM403	**PM/60/3** poles (pre-assembled)	PM603
		PM/20/5 poles (pre-assembled)	PM205	**PM/40/5** poles (pre-assembled)	PM405	**PM/60/5** poles (pre-assembled)	PM605
		PM/20/10 poles (pre-assembled)	PM210	**PM/40/10** poles (pre-assembled)	PM400	**PM/60/10** poles (pre-assembled)	PM610
Rated current carrying capacity of jumper (A)		**24**		**32**		**41**	
Switchable cross connection		**POS/11**	POS11	**POS/42**	POS42	**POS/93**	POS93
Multiple common bar	250 mm	**PMP/01**	PMP01	**PMP/42**	PMP42	**PMP/13**	PMP13
Shunting screw and sleeve (same, Ex e version)		**CPM/21 (CPX/21)**	CPM21 (CPX21)	**CPM/12 (CPX/12)**	CPM12 (CPX12)	**CPM/83 (CPX/83)**	CPM83 (CPX83)
Coloured partition	red, green, white	**DFU/1**	DU01..	**DFU/4**	DU04..	**DFU/4**	DU04..
Cross connection barrier	red	**DFM/600**	DF600	**DFM/600**	DF600	**DFM/600**	DF600
Test plug socket		**PSD/D**	PD004	**PSD/A**	PD001	**PSD/N**	PD013
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		**SDD/5**	DD005	**SDD/6**	DD006	-	
End section for modular test plug		**SD5/PT**	DD501	**SD6/PT**	DD601	-	
Numbering strip		**SNZ/5**	SN001	**SNZ/65**	SN006	**SNZ/8**	SN004
Warning plate	on adjacent terminal blocks	**TQM/02** su 4	TQM02	**TQM/12** su 3 e su 4	TTM12	**TTM/15** su 3	TTM15
		-		-		**TQM/15** su 4	TQM15
Cover for cross-connection		**PRP/6**	PRP06	**PRP/6**	PRP06	**PRP/7**	PRP07
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail ⊏⊐		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.		**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊔⊔		**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005
Screening lug		**CB/SH** (*)	CB009	**CB/SH** (*)	CB009	**CB/SH** (*)	CB009

CBD Series

with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- **CESI 01 ATEX 090 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions

(*) if shielded cables are to be connected when using CB/SH screening lug, the rated voltage is reduced to 250 V

beige version	CBD.10 Cat. No. CB440	CBD.16 Cat. No. CB510	CBD.35 Cat. No. CB610
(Ex)i version	**CBD.10 (Ex)i Cat. No. CBX45**	**CBD.16 (Ex)i Cat. No. CBX52**	**CBD.35 (Ex)i Cat. No. CBX62**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	10	16	35
connecting capacity			
flexible (mm²)	0,5 ÷ 16	0,5 ÷ 25	0,5 ÷ 35
rigid (mm²)	0,5 ÷ 16	0,5 ÷ 25	0,5 ÷ 50
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	16 - WP160/22	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 57 A / B6	800 V / 76 A / B7	800 V / 125 A / B8
rated voltage / rated current / AWG / tightening torque value UL	600 V / 60 A / 20-6 AWG / 13,3 lb.in	600 V / 100 A / 20-3 AWG / 19,9 lb.in	600 V / 125 A / 16 ÷ 1 AWG / 22,1 lb.in
(Ex e) rated voltage / (V)	500 V / 630 V	630 V / 630 V	630 V / 630 V
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	18	20
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	1,8 / 3	2 / 3,5
height / width / thickness TH/35 7,5 mm	55 / 44 / 10	57 / 47 / 12	60 / 52 / 16
height / width / thickness TH/35 15 mm	63 / 44 / 10	65 / 47 / 12	68 / 52 / 16
height / width / thickness G32	59 / 44 / 10	61 / 47 / 12	64 / 52 / 16
APPROVALS	IEC Ex pending	IEC Ex pending	IEC Ex pending
ACCESSORIES	**Type / Cat. No.**	**Type / Cat. No.**	**Type / Cat. No.**
End sections beige	**CB10/PT** CB431	**CB16/PT** CB511	**CB35/PT** CB611
blue	**CB10/PT (Ex)i** CBX44	**CB16/PT (Ex)i** CBX53	**CB35/PT (Ex)i** CBX63
Permanent cross connection	**PM/10/2** poles (pre-assembled) PM102 **PM/10/3** poles (pre-assembled) PM103 **PM/10/5** poles (pre-assembled) PM105 **PM/10/10** poles (pre-assembled) PM100	**POF/44 (PFX/44)** POF44 (PFX44) (same, Ex e version)	**POF/06 (PFX/06)** POF06 (PFX06) (same, Ex e version)
Rated current carrying capacity of jumper (A)	**57**	**76**	**125**
Switchable cross connection	**POS/44** POS44	**POS/44** POS44	**POS/66** POS66
Multiple common bar 250 mm	**PMP/04** PMP04	**PMP/05** PMP05	**PMP/06** PMP06
Shunting screw and sleeve (same, Ex e version)	**CPM/03 (CPX/03)** CPM03 (CPX03)	**CPM/44 (CPX/44)** CPM44 (CPX44)	**CPM/06 (CPX/06)** CPM06 (CPX06)
Coloured partition red, green, white	**DFU/4** DU04..	**DFU/4** DU04..	**DFU/5** DU05..
Cross connection barrier red	**DFM/700** DF700	**DFM/700** DF700	**DFM/700** DF700
Test plug socket	**PSD/B** PD002	**PSD/B** PD002	**PSD/B** PD002
Test plug	**SDD/2** DD002	**SDD/2** DD002	**SDD/2** DD002
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SNZ/10** SN005	-	-
Warning plate on adjacent terminal blocks	**TTM/04** on 3 TTM04 **TQM/04** on 4 TQM04	**TUM/05** on 3 and on 4 TUM05 -	**TUM/06** on 3 and on 4 TUM06
Cover for cross-connection	**PRP/7** PRP07	**PRP/7** PRP07	**PRP/8** PRP08
Marking tag printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
	PR/3/AC of steel PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** of steel PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** of steel PR003 **PR/3/AS** same with slots PR005
Screening lug	**CB/SH** (*) CB009	-	-

CBD Series

with UL94V-0 polyamide insulating body

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- **CESI 01 ATEX 090 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the instructions given on page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions

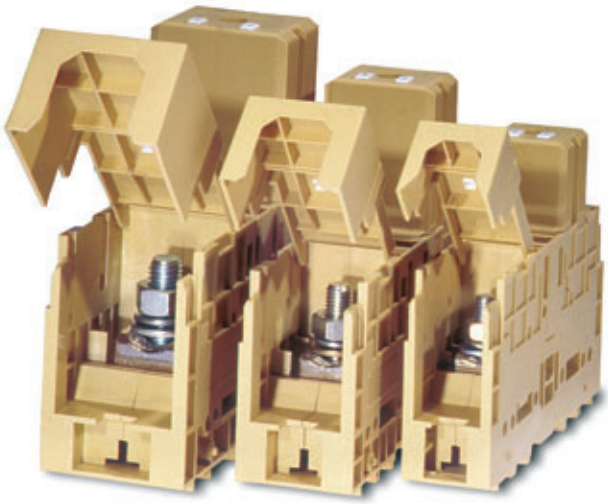
(*): 150 A factory wiring only

beige version	CBD.50 Cat. No. CB710	CBD.70 Cat. No. CB810
(Ex)i version	**CBD.50 (Ex)i Cat. No. CBX72**	**CBD.70 (Ex)i Cat. No. CBX82**
TECHNICAL CHARACTERISTICS		
function / type	feed-through	feed-through
rated cross-section (mm²)	50	70
connecting capacity		
flexible (mm²)	1,5 ÷ 50	1,5 ÷ 95
rigid (mm²)	1 ÷ 70	1 ÷ 95
max. flexible with ferrule (mm²)-ferrule type	50 - WP500/40	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 150 A / B9	800 V / 192 A / B11
rated voltage / rated current / AWG / tightening torque value UL	600 V / 130 A (*) / 16-1 AWG / 33,2 lb.in.	600 V / 220 A / 12 - 4/0 AWG / 50 lb. in.
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	630 V / 630 V	630 V / 630 V
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	22	26
tightening torque value (test / recommended) (Nm)	2,5 / 5	3 / 8
height / width / thickness ⊐⊏ TH/35 7,5 mm	62 / 57 / 18	71 / 62 / 20,5
height / width / thickness ⊏⊐ TH/35 15 mm	70 / 57 / 18	79 / 62 / 20,5
height / width / thickness ⊏⊐ G32	66 / 57 / 18	75 / 62 / 20,5
APPROVALS		
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections beige	**CB50/PT** CB711	**CB70/PT** CB811
blue	**CB50/PT (Ex)i** CBX73	**CB70/PT (Ex)i** CBX83
Permanent cross connection (same, Ex e version)	**POF/07 (PFX/07)** POF07 (PFX07)	**POF/08 (PFX/08)** POF08 (PFX08)
Rated current carrying capacity of jumper (A)	**150**	**192**
Switchable cross connection	**POS/77** POS77	**POS/08** POS08
Multiple common bar 250 mm	**PMP/07** PMP07	**PMP/08** PMP08
Shunting screw and sleeve (same, Ex e version)	**CPM/07 (CPX/07)** CPM07 (CPX07)	**CPM/08 (CPX/08)** CPM08 (CPX08)
Coloured partition red, green, white	**DFU/5** DU05..	**DFU/6** DU06..
Cross connection barrier red	**DFM/700** DF700	**DFM/700** DF700
Test plug socket	**PSD/C** PD003	**PSD/C** PD003
Test plug	**SDD/2** DD002	**SDD/2** DD002
Modular test plug	-	-
End section for modular test plug	-	-
Numbering strip	-	-
Warning plate on adjacent terminal blocks	**TUM/07** on 3 and on 4 TUM07	**TUM/08** on 3 and on 4 TUM08
	-	-
Cover for cross-connection	**PRP/8** PRP08	**PRP/8** PRP08
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...
	CSC CS...	**CSC** CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001
	BT/3-BTO for PR/3 only BT003-BT007	**BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001
	PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004
	PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002
⊐⊏	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003
	PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005
Screening lug	-	-

GPM Series high current terminal blocks

with UL94V-0 polyamide insulating body

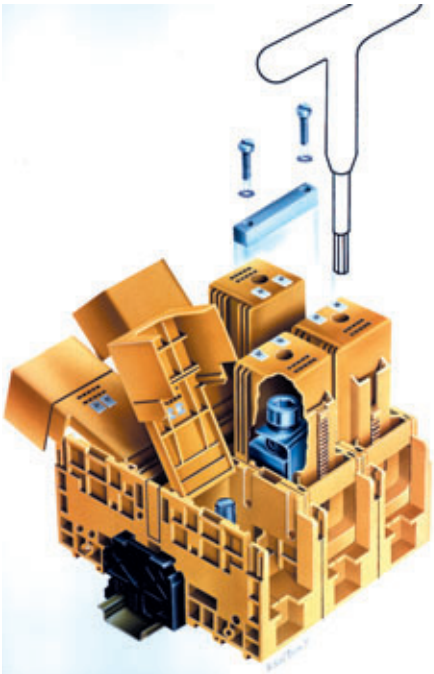
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- panel mount version available
- possibility to perform cross-connections
- available in /BB (bar-bar), /BC (bar-cable), /CC (cable-cable) versions
- available in beige RAL 1001 colour



tightening reliability: the reliability of the connection (cable-lugs or bars) is guaranteed by screw and nut clamping, with one flat and one spring washer, having the function of counteracting the effects of high dynamic stress. In the versions designed for the connection of conductors without special preparation, the reliability of the connection is assured by the special wrapping shape of the pressure plate. The spring reaction to the pressing force of the conductor works as a block under the head of the tightening screw, avoiding unloosening, even in presence of vibrations.
The conducting bar is also manufactured with an equivalent concave housing as to increase the clamping effectiveness on the conductors. In addition, the contact surfaces of both the pressure plate and the concave housing of the conducting busbar are provided, on their whole length, with cross grooving which improves the connection characteristics. The mechanical retention of the conductors guarantees low resistance of the resulting electrical contact.
warning protection: all the versions are contained in particularly articulated insulating bodies which guarantee an **IPXXB** degree of protection, without the need of any further accessory. Every insulating body, made in thermoplastic material, is manufactured in two specular half-shells which fit into each other by means of centring pins. In addition on the lower and internal part of the terminal block, eight embedding tabs give added safety to the terminal block itself. The side walls of the half-shells are stiffened and box like; this not only improves the aesthetic aspect of these large terminal blocks, but also guarantees improved stability and linearity to the entire installation. The different versions, obviously, have different but always innovative and original solutions to the problem of guaranteeing the IPXXB protection degree. In fact in appropriate seats inside the side walls of the half-shells the following may be inserted:

- **protection for the “bar” versions:** this protection, which in normal installation conditions is in a longitudinal position in respect to the axis of the terminal block, can be easily rotated with the simple aid of a screwdriver (as mentioned in the safety regulations). In this way, access can be guaranteed into the connection unit and for all the cable lugs or bars for tightening and loosening operations,
- **protection for the “cable” versions:** in this case the protection is fixed and has a click insertion. It is orthogonal to the axis of the terminal block and it protects the wire clamping collar, the pressure plate and the tightening screw.

This type of protection is provided with a “sliding gate” device, which is vertical to the terminal block protection and in line with the conductors insertion hole; it allows, with manual action with the best safety conditions, to close partially or totally the hole itself and to protect the live parts, when using conductors having a cross-section much lower than the rated one or when wiring the terminal block only on one side.



mounting: due to their large dimensions and as they bear high strain caused by the stress generated by the conductors, a new rail mounting system has been researched into and designed for them. These terminal blocks can be mounted on different types of rails (conf. to IEC 607155). The dismounting from the rail of the terminal block can take place with the aid of a simple screwdriver, inserted in the vent-hole of the mounting system itself (yellow part). If the rails themselves are to be installed on a straight wall, the size of GPM terminal blocks make the use of flat rail supports indispensable so that the terminals can be adequately distanced from the surface. For each terminal block, a /FIX version for the direct panel-mount is available.
marking: identification on both sides can be made on all the terminal blocks of GPM series, despite the size, with either CNU/8 type (2 elements) or CSC (up to 5 elements) marking tags. It is not necessary to use one or the other type: they can be used together.
cross-connection: with this series of products it is also possible to create a cross connection between two or three adjoining terminal blocks by using the appropriate jumper. The pre-cut diaphragm on the side wall of the insulating body must be removed before the insertion of this accessory. Even when the cross-connection is in place, the assembled terminal board provided with these accessories guarantees an IPXXB protection degree, without the need of any further cover.

GPM Series high current terminal blocks

with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour

standard version

panel-mount version

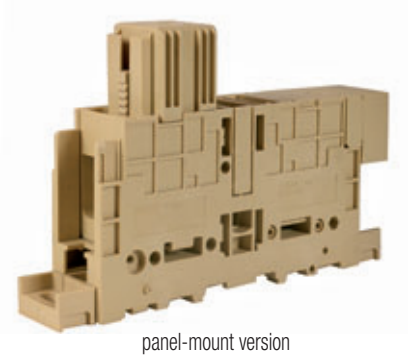
		(*) distance between the cable lug fixing screw axis and the conducting body: 10 mm	*(*) distance between the cable lug fixing screw axis and the conducting body: 12 mm*	*(*) distance between the cable lug fixing screw axis and the conducting body: 15 mm*
standard version		**GPM.95/BB** Cat. No. **GP100**	**GPM.150/BB** Cat. No. **GP400**	**GPM.240/BB** Cat. No. **GP700**
panel-mount version		**GPM.95/BB/FIX** Cat. No. **GP110**	**GPM.150/BB/FIX** Cat. No. **GP410**	**GPM.240/BB/FIX** Cat. No. **GP710**
TECHNICAL CHARACTERISTICS				
function / type		feed-through	feed-through	feed-through
rated cross-section	(mm²)	95	150	240
connecting capacity				
flexible	(mm²)	-	-	-
rigid	(mm²)	-	-	-
bars and/or cable lugs		22 mm maximum width (M8 bolt) (*)	32 mm maximum width (M10 bolt) (*)	40 mm maximum width (M12 bolt) (*)
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	1000 V / 269 A / -	1000 V / 353 A / -	1000 V / 452 A / -
rated voltage / rated current / AWG	UL	-	-	-
rated impulse withstand voltage / pollution degree		12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length	(mm)	-	-	-
tightening torque value –bar (test / recommended)	(Nm)	6 / 9 (13 mm wrench)	10 / 15 (17 mm wrench)	14 / 21 (19 mm wrench)
tightening torque value –cable (test / recommended)	(Nm)			
height / width / thickness	TH/35 7,5 mm	81 / 176 / 32	81 / 200 / 42	89 / 250 / 52
height / width / thickness	TH/35 15 mm	88 / 176 / 32	88 / 200 / 42	96 / 250 / 52
height / width / thickness	G32	85 / 176 / 32	85 / 200 / 42	93 / 250 / 52
height / width (fixing distance between centres) / thickness (panel-mount)		76 / 176 (158) / 32	76 / 200 (158) / 42	84 / 250 (172) / 52
APPROVALS		KEMA KEUR, cUL and UL pending	KEMA KEUR, cUL and UL pending	KEMA KEUR, cUL and UL pending
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	beige	-	-	-
Permanent cross connection		**POF/95/2** poles P0952 **POF/95/3** poles P0953	**POF/150/2** poles P0152 **POF/150/3** poles P0153	**POF/240/2** poles P0242 **POF/240/3** poles P0243
		-	-	-
Switchable cross connection		-	-	-
Multiple common bar	250 mm	-	-	-
Shunting screw and sleeve		-	-	-
Coloured partition	red, green, white	-	-	-
Cross connection barrier	red	-	-	-
Test plug socket		-	-	-
Test plug		-	-	-
Numbering strip		-	-	-
Cover for cross-connection		-	-	-
Mounting rail support	flat for PR/DIN and PR/3 inclined for PR/DIN and PR/3	**ACI121213** Z121213 **ACI121024** Z121024	**ACI121213** Z121213 **ACI121024** Z121024	**ACI121213** Z121213 **ACI121024** Z121024
Marking tag	printed or blank	**CNU/8** NU... **CSC** CS...	**CNU/8** NU... **CSC** CS...	**CNU/8** NU... **CSC** CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005 **CDA/BT** for PR/DIN only CD003 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **CDA/BT** for PR/DIN only CD003 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **CDA/BT** for PR/DIN only CD003 **BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
		PR/3/AC of steel PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** of steel PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** of steel PR003 **PR/3/AS** same with slots PR005

GPM Series high current terminal blocks

with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour

standard version



panel-mount version

standard version	GPM.95/BC Cat. No. GP200	GPM.150/BC Cat. No. GP500	GPM.240/BC Cat. No. GP800
panel-mount version	**GPM.95/BC/FIX Cat. No. GP210**	**GPM.150/BC/FIX Cat. No. GP510**	**GPM.240/BC/FIX Cat. No. GP810**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	95	150	240
connecting capacity			
flexible (mm²)	35 ÷ 120	50 ÷ 185	95 ÷ 300
rigid (mm²)	25 ÷ 120	35 ÷ 185	95 ÷ 300
bars and/or cable lugs	22 mm maximum width (M8 bolt)	32 mm maximum width (M10 bolt)	40 mm maximum width (M12 bolt)
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 269 A / B12	1000 V / 353 A / B14	1000 V / 452 A / B16
rated voltage / rated current / AWG UL	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	35	35	43
tightening torque value –bar (test / recommended) (Nm)	6 / 9 (13 mm wrench)	10 / 15 (17 mm wrench)	14 / 21 (19 mm wrench)
tightening torque value –cable (test / recommended) (Nm)	6 / 9 (Allen screw, 6 mm wrench)	10 / 15 (Allen screw, 8 mm wrench)	14 / 21 (Allen screw, 8 mm wrench)
height / width / thickness TH/35 7,5 mm	113 / 158 / 32	134 / 170 / 42	150 / 202 / 52
height / width / thickness TH/35 15 mm	120 / 158 / 32	141 / 170 / 42	157 / 202 / 52
height / width / thickness G32	117 / 158 / 32	138 / 170 / 42	154 / 202 / 52
height / width (fixing distance between centres) / thickness (panel-mount)	108 / 175 (158) / 32	129 / 187 (158) / 42	144 / 219 (172) / 52
APPROVALS	KEMA KEUR cUL and UL pending	KEMA KEUR cUL and UL pending	KEMA KEUR cUL and UL pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	beige	-		-		-	
Permanent cross connection		**POF/95/2** poles	P0952	**POF/150/2** poles	P0152	**POF/240/2** poles	P0242
		POF/95/3 poles	P0953	**POF/150/3** poles	P0153	**POF/240/3** poles	P0243
		-		-		-	
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	-		-		-	
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		-		-		-	
Numbering strip		-		-		-	
Cover for cross-connection		-		-		-	
Mounting rail support	flat for PR/DIN and PR/3	**ACI121213**	Z121213	**ACI121213**	Z121213	**ACI121213**	Z121213
	inclined for PR/DIN and PR/3	**ACI121024**	Z121024	**ACI121024**	Z121024	**ACI121024**	Z121024
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC	CS...	**CSC**	CS...	**CSC**	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		CDA/BT for PR/DIN only	CD003	**CDA/BT** for PR/DIN only	CD003	**CDA/BT** for PR/DIN only	CD003
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

GPM Series high current terminal blocks

with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- panel-mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour

standard version

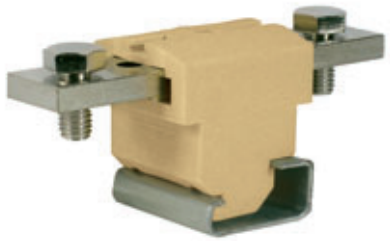
panel-mount version

standard version	GPM.95/CC Cat. No. GP300	GPM.150/CC Cat. No. GP600	GPM.240/CC Cat. No. GP900
panel-mount version	**GPM.95/CC/FIX Cat. No. GP310**	**GPM.150/CC/FIX Cat. No. GP610**	**GPM.240/CC/FIX Cat. No. GP910**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	95	150	240
connecting capacity			
flexible (mm²)	35 ÷ 120	50 ÷ 185	95 ÷ 300
rigid (mm²)	25 ÷ 120	35 ÷ 185	95 ÷ 300
bars and/or cable lugs	22 mm maximum width (M8 bolt)	32 mm maximum width (M10 bolt)	40 mm maximum width (M12 bolt)
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 269 A / B12	1000 V / 353 A / B14	1000 V / 452 A / B16
rated voltage / rated current / AWG UL	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	-	-	-
tightening torque value –bar (test / recommended) (Nm)	-	-	-
tightening torque value –cable (test / recommended) (Nm)	6 / 9 (Allen screw, 6 mm wrench)	10 / 15 (Allen screw, 8 mm wrench)	14 / 21 (Allen screw, 8 mm wrench)
height / width / thickness TH/35 7,5 mm	113 / 140 / 32	134 / 140 / 42	150 / 154 / 52
height / width / thickness TH/35 15 mm	120 / 140 / 32	141 / 140 / 42	157 / 154 / 52
height / width / thickness G32	117 / 140 / 32	138 / 140 / 42	154 / 154 / 52
height / width (fixing distance between centres) / thickness (panel-mount)	108 / 173 (158) / 32	129 / 173 (158) / 42	144 / 187 (172) / 52
APPROVALS	KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1	KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1	KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1
	cUL and UL pending	cUL and UL pending	cUL and UL pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	beige	-		-		-	
Permanent cross connection		**POF/95/2** poles	P0952	**POF/150/2** poles	P0152	**POF/240/2** poles	P0242
		POF/95/3 poles	P0953	**POF/150/3** poles	P0153	**POF/240/3** poles	P0243
		-		-		-	
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	-		-		-	
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		-		-		-	
Numbering strip		-		-		-	
Cover for cross-connection		-		-		-	
Mounting rail support	flat for PR/DIN and PR/3	**ACI121213**	Z121213	**ACI121213**	Z121213	**ACI121213**	Z121213
	inclined for PR/DIN and PR/3	**ACI121024**	Z121024	**ACI121024**	Z121024	**ACI121024**	Z121024
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC	CS...	**CSC**	CS...	**CSC**	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		CDA/BT for PR/DIN only	CD003	**CDA/BT** for PR/DIN only	CD003	**CDA/BT** for PR/DIN only	CD003
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

ACB Series high current terminal blocks

with UL94V-0 polyamide insulating body



- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

(*) referred to version equipped with wire clamping collar
(**) tightening with screwdriver / wrench

When using bars or lugs having a width exceeding the indicated value (up to a maximum of 34 mm) the use of SPS separating diaphragms is necessary in order to guarantee the appropriate insulation.

beige version		ACB.70/BB Cat. No. AC100	ACB.120/BB Cat. No. AC400	ACB.185/BB Cat. No. AC700
(Ex)i version				
TECHNICAL CHARACTERISTICS				
function / type		feed-through	feed-through	feed-through
rated cross-section	(mm²)	70	120	185
connecting capacity (*)				
flexible	(mm²)	10 ÷ 120	25 ÷ 185	25 ÷ 185
rigid	(mm²)	6 ÷ 120	25 ÷ 185	25 ÷ 185
bars and/or cable lugs		25 mm maximum width (M6 bolt)	25 mm maximum width (M8 bolt)	25 mm maximum width (M12 bolt)
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 192 A / -	800 V / 269 A / -	800 V / 353 A / -
rated voltage / rated current / AWG	UL	-	-	-
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length	(mm)	-	-	-
tightening torque value / bar	(Nm)	- / 3 (10 mm wrench)	- / 6 (13 mm wrench)	- / 14 (19 mm wrench)
tightening torque value / cable (**)	(Nm)	-	-	-
height / width / thickness	a G32	45 / 90 / 35	46 / 100 / 35	47 / 120 / 35
APPROVALS		Terna LV 27/1	Terna LV 27/1	Terna LV 27/1
		Referred to the versions equipped with clamping collar on both sides	Referred to the versions equipped with clamping collar on both sides	Referred to the versions equipped with clamping collar on both sides

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Spare clamping collar (to allow the connection of non pre-assembled cables)		**ACB.70/CO**	AC104	**ACB.120/CO**	AC404	**ACB.185/CO**	AC704
Safety cover		**PRT/P**	PRT01	**PRT/P**	PRT01	**PRT/P**	PRT01
		PRT/G	PRT03	**PRT/G**	PRT03	**PRT/G**	PRT03
Cover support		**SPS/1**	SPS01	**SPS/1**	SPS01	**SPS/3**	SPS03
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		CDA/BT for PR/DIN only	CD003	**CDA/BT** for PR/DIN only	CD003	**CDA/BT** for PR/DIN only	CD003
		-		-		-	
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		-		-		-	

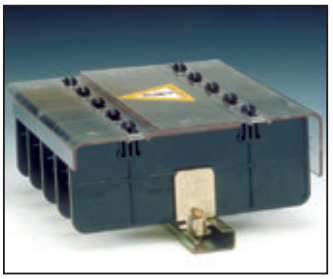
protection: ACB terminal blocks can be protected against direct and/or accidental contact by means of proper **PRT** type covers of different sizes: small, medium or big in self-extinguishing transparent material. These covers are supplied in standard length of 200 mm (corresponding to the total width of 4 adjoining blocks) and must be inserted on **SPS** supports), also in self-extinguishing material. PRT covers allow the protection of one side of the terminal block; the complete protection of the terminal board is obtained by two covers, which overlap.

PRT/P+SPS/1
- for ACB.70/BB and ACB.120/BB

PRT/M+SPS/5
- for ACB.70 and ACB.120 with clamping collar mounted

PRT/P+SPS/3
- for ACB.185/BB

PRT/M+SPS/7
- for ACB.185 with clamping collar mounted



PRT/G type must be used when the conductors come from the back of the board or, otherwise, when one or more connection points, not used, must be nevertheless protected.

MBL Series stud-type terminal blocks

with UL94V-0 polyamide insulating body

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige RAL 1001 colour

beige version	MBL.50/6 Cat. No. MB100	MBL.95/8 Cat. No. MB200
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	for cable lugs	for cable lugs
rated cross-section (mm²)	50	95
connecting capacity		
flexible (mm²)	30 ÷ 50	30 ÷ 95
rigid (mm²)	30 ÷ 70	30 ÷ 120
stud diameter / key / locking bolt wrench	M 6 / M 10 / M 19	M 8 / M 13 / M 19
max lug overlapping connection height (mm)	15,3	13
torque value	3	6
rated voltage / rated current sec. IEC 60947-7-1	800 V / 150 A	800 V / 232 A
rated voltage / rated current / AWG UL	600 V / 150 A / -	600 V / 200 A / -
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
maximum connectable width (mm)	30	30
height / width / thickness TH/35 7,5 mm	-	-
height / width / thickness TH/35 15 mm	-	-
height / width / thickness G32	79 / 39 / 35	79 / 39 / 35
APPROVALS	c UL us	c UL us

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
Partition		**DUS/1**	DUS01	**DUS/1**	DUS01
Cover support		**SPS/5**	SPS05	**SPS/5**	SPS05
Safety cover		**PRT/P**	PRT01	**PRT/P**	PRT01
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
		-		-	
End bracket		**CDA/BT**	CD003	**CDA/BT**	CD003
		-		-	
		-		-	
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		-		-	
		-		-	

Stud terminal blocks suitable for the connection of bars or cable lugs, 30 mm max. width, to be mounted on PR/DIN type rails. **DUS/1** and **DUS/3** type barriers are provided to ensure the correct insulation distance between the different phases.

Whenever a safety cover is needed, the insulation function is guaranteed by the **SPS/5** support of the cover itself.

MBL Series stud-type terminal blocks

with UL94V-0 polyamide insulating body

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., “G32” type
- available in beige RAL 1001 colour

beige version		MBL.120/10 Cat. No. MB300	MBL.150/12 Cat. No. MB400
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type		for cable lugs	for cable lugs
rated cross-section	(mm^2)	120	150
connecting capacity			
flexible	(mm^2)	30 ÷ 120	30 ÷ 150
rigid	(mm^2)	30 ÷ 150	30 ÷ 185
stud diameter / key / locking bolt wrench		M 10 / M 13 / M 19	M 12 / M 19 / M 19
max lug overlapping connection height	(mm)	13	15,8
torque value		10	14
rated voltage / rated current	sec. IEC 60947-7-1	800 V / 269 A	800 V / 309 A
rated voltage / rated current / AWG	UL	600 V / 230 A / -	600 V / 285 A / -
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3
maximum connectable width	(mm)	30	30
height / width / thickness	TH/35 7,5 mm	-	-
height / width / thickness	TH/35 15 mm	-	-
height / width / thickness	G32	90 / 39 / 35	90 / 39 / 35
APPROVALS		c UL us	c UL us

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
Partition		**DUS/3**	DUS03	**DUS/3**	DUS03
Cover support		**SPS/5**	SPS05	**SPS/5**	SPS05
Safety cover		**PRT/P**	PRT01	**PRT/P**	PRT01
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
		-		-	
End bracket		**CDA/BT**	CD003	**CDA/BT**	CD003
		-		-	
		-		-	
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		-		-	
		-		-	

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., TH/35 and "G32" types
- in a single green / yellow insulating case
- **CESI 02 ATEX 061 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C

Version to be mounted onto PR/3 and PR/DIN rails according to IEC 60715 Std.

(*) with reference to upper and lower clamping units respectively

	TE0.2 Cat. No. T0910	CBE.2 Cat. No. CE110	TE0.4 Cat. No. T0430
version to be mounted onto PR/3 rail			
version to be mounted onto PR/DIN rail			
TECHNICAL CHARACTERISTICS			
function / type	earth	earth (2 inputs / 2 outputs)	earth
rated cross-section (mm²)	2,5	2,5	4
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A4
rated voltage / rated current / AWG / tightening torque value UL	- / - / 20-14 AWG / 5,5 lb.in.	- / 15 A / 20 ÷ 14 AWG / 5,5 lb.in.	- / - / 20 ÷ 12 AWG / 5,5 lb.in.
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	12	8 - 14,5 (*)	14
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,4 / 0,8	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	47 / 50 / 5,5	52 / 50 / 5	52 / 50 / 6,5
height / width / thickness TH/35 15 mm	55 / 50 / 5,5	60 / 50 / 5	60 / 50 / 6,5
height / width / thickness G32	-	56 / 50 / 5	-
APPROVALS	IEC Ex pending		IEC Ex pending

ACCESSORIES		TE0.2 Type	Cat. No.	CBE.2 Type	Cat. No.	TE0.4 Type	Cat. No.
End sections	green	**TE0.2/PT**	T0911	**CBR/PT**	CR111	**TE0.4/PT**	T0431
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC	CS...	**CSC**	CS...	**CSC**	CS...
Numbering strip		**SNZ/5**	SN001	**SNZ/508**	SN009	**SNZ/65**	SN006
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
				BT/DIN/PO for PR/DIN only	BT001		
Mounting rail according to IEC 60715 Std.				**PR/DIN/AC** of steel	PR001		
				PR/DIN/AS same with slots	PR004		
				PR/DIN/AL of aluminium	PR002		
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e ⟨Ex⟩ certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C

version to be mounted onto PR/3 rail		TE.6/0 Cat. No. T0110	TE.10/0 Cat. No. T0500
version to be mounted onto PR/DIN rail	**TED.4 Cat. No. TE400**	**TE.6/D Cat. No. TE110**	**TE.10/D Cat. No. TE500**
TECHNICAL CHARACTERISTICS			
function / type	earth	earth	earth
rated cross-section (mm²)	4	6	10
connecting capacity			
flexible (mm²)	0,2 ÷ 6	0,5 ÷ 10	0,5 ÷ 16
rigid (mm²)	0,2 ÷ 6	0,5 ÷ 10	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	6 - WP60/20	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A4	- / - / A5	- / - / B6
rated voltage / rated current / AWG / tightening torque value UL	- / - / 20-12 AWG / 5,5 lb.in.	- / - / 20-8 AWG / 1,5 Nm	- / - / 20-8 AWG Str. / 1,5 Nm
(Ex e) rated voltage ⊏⊐ / ⎍ (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	10	12	13
tightening torque value (test / recommended) (Nm)	0,5 / 1,2	0,8 / 1,4	1,2 / 1,9
height / width / thickness ⎍ TH/35 7,5 mm	-	52 / 47 / 8	55 / 47 / 10
height / width / thickness ⊏⊐ TH/35 15 mm	-	60 / 47 / 8	63 / 47 / 10
height / width / thickness ⊏⊐ G32	56 / 50 / 6,5	53 / 42 / 8	56 / 44 / 10
APPROVALS	ATEX Ex and IEC Ex pending	IEC Ex pending	IEC Ex pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections verde	**TE0.4/PT**	T0431	-		-	
Marking tag printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
	CSC	CS...	**CSC**	CS...	**CSC**	CS...
Numbering strip	**SNZ/65**	SN006	-		-	
End bracket	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	**BT/DIN/PO** for PR/DIN only	BT001	**BT/3-BTO** for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/DIN/PO** for PR/DIN only	BT001
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
	PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
	PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⎍			**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
			PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

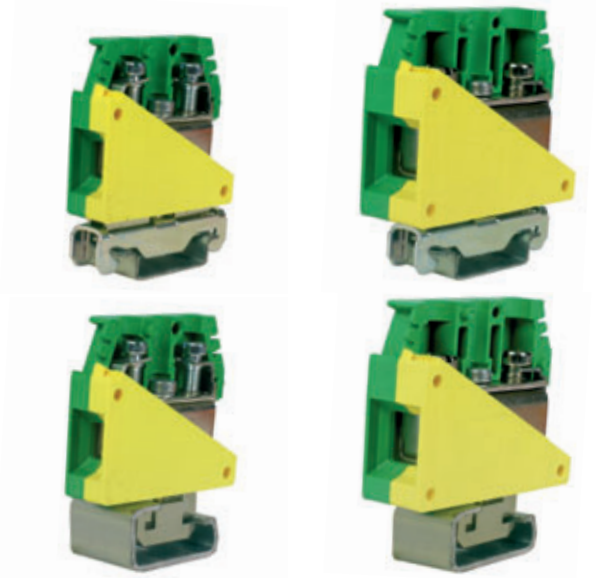
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C



Without green / yellow insulating case

version to be mounted onto PR/3 rail	**TE.16/0** Cat. No. **T0210**	**TE.50/0** Cat. No. **T0310**	
version to be mounted onto PR/DIN rail	**TE.16/D** Cat. No. **TE210**	**TE.50/D** Cat. No. **TE310**	**TTN.35** Cat. No. **TT300**

TECHNICAL CHARACTERISTICS				
function / type		earth	earth	earth
rated cross-section	(mm²)	16	50	35
connecting capacity				
flexible	(mm²)	0,5 ÷ 25	1,5 ÷ 50	1,5 ÷ 50
rigid	(mm²)	0,5 ÷ 25	1 ÷ 70	1 ÷ 70
max. flexible with ferrule (mm²)-ferrule type		16 - WP160/22	50 - WP500/40	35 - WP350/30
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	- / 76 A / B7	- / 125 A / B9	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value	UL	- / - / 20-3 AWG / 1,5 Nm	- / - / 16-1 AWG / 3,7 Nm	- / - / -
(Ex e) rated voltage ⊏⊐ / ⊔	(V)	-	-	-
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3	- / 3
insulation stripping length	(mm)	13	17	15
tightening torque value (test / recommended)	(Nm)	1,8 / 3	2,5 / 5	2,5 / 5
height / width / thickness	⊔ TH/35 7,5 mm	56 / 47 / 12	62 / 57 / 18	-
height / width / thickness	⊔ TH/35 15 mm	64 / 47 / 12	70 / 57 / 18	-
height / width / thickness	⊏⊐ G32	57,5 / 46,5 / 12	63 / 57 / 18	60 + D / 58 / 11

APPROVALS

IEC Ex pending

IEC Ex pending

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	verde	-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC	CS...	**CSC**	CS...	**CSC**	CS...
Numbering strip		-		-		-	
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	-	
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
Mounting rail ⊏⊐ according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊔				**PR/3/AC** of steel	PR003	-	
				PR/3/AS same with slots	PR005	-	

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

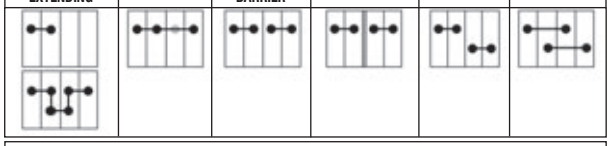
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	8,4	192
"Top hat" rail IEC 60715/TH 35 - 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminium	35	4,2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11,4	232

Taken from CEI EN 60947-7-2 standard

On two and three levels

with UL94V-0 polyamide insulating body

- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions
- to be mounted onto PR/3 according to IEC 60715 Std., “TH/35” type

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
630	500		250 V (*) 630 V (**)	500	500

(*) between lower levels (with partition)
(**) between upper levels (with partition)
(***) value referred to the characteristics of the terminal block alone, within the temperature range according to IEC 60947-7-1 Std.

*The **/GR** tag indicates the grey colour version.*

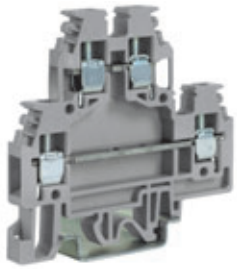
NEW	grey version	beige version	(Ex)i version
	DBC.2/GR Cat. No. **DB100GR**	**DBC.2** Cat. No. **DB100**	**DBC.2 (Ex)i** Cat. No. **DB200**
	DBC.2/CI/GR Cat. No. **DB117GR**	**DBC.2/CI** Cat. No. **DB117**	

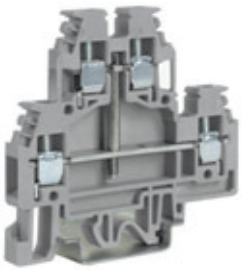
TECHNICAL CHARACTERISTICS			
function / type		2 level feed-through	2 level feed-through with internal cross-connection
rated cross-section	(mm²)	2,5	2,5
connecting capacity			
flexible	(mm²)	0,2 ÷ 4	0,2 ÷ 4
rigid	(mm²)	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type		2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V / 24 A / A3	630 V / 24 A / A3
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 20 A / 28-12 AWG / 0,4 Nm	600 V / 20 A / 28-12 AWG / 0,4 Nm
max current (***)		27 A (2,5 mm²) / 34 A (4 mm²)	27 A (2,5 mm²) / 34 A (4 mm²)
(Ex e) rated voltage ⊏⊐ / ⊔	(V)	-	-
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3
insulation stripping length	(mm)	9	9
tightening torque value (test / recommended)	(Nm)	0,4 / 0,8	0,4 / 0,8
height / width / thickness	⊔ TH/35 7,5 mm	66 / 70 / 5	66 / 70 / 5
height / width / thickness	⊏⊐ TH/35 15 mm	74 / 70 / 5	74 / 70 / 5
APPROVALS		c UL us, KEMA KEUR ATEX Ex e and IEC Ex pending	c UL us, KEMA KEUR

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**DBC/PT/GR**	DB101GR	**DBC/PT/GR**	DB101GR
	beige	**DBC/PT**	DB101	**DBC/PT**	DB101
	blue	**DBC/PT (Ex)i**	DB201	**DBC/PT (Ex)i**	DB201
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/2/02** poles	PTC0202	**PTC/2/02** poles	PTC0202
		PTC/2/03 poles	PTC0203	**PTC/2/03** poles	PTC0203
		PTC/2/05 poles	PTC0205	**PTC/2/05** poles	PTC0205
		PTC/2/10 poles	PTC0210	**PTC/2/10** poles	PTC0210
		PTC/2/00 (50 poles)	PTC0200	**PTC/2/00** (50 poles)	PTC0200
Rated current carrying capacity of jumper	(A)	**24**		**24**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Switchable cross connection		-		-	
Multiple common bar	250 mm	-		-	
Shunting screw and sleeve		-		-	
Coloured partition	red, green, white	**DFU/7**	DU07..	**DFU/7**	DU07..
Cross connection barrier (upper level)	red	**DFM/800 - DFM/900**	DF800-900	**DFM/800 - DFM/900**	DF800-900
Cross connection barrier (lower level)	red	**DFM/500**	DF500	**DFM/500**	DF500
Test plug socket		-		-	
Test plug		-		-	
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		**SNZ/508**	SN009	**SNZ/508**	SN009
Warning plate	on adjacent terminal blocks	-		-	
		-		-	
Cover for cross-connection		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO for PR/3 only	BT007	**BTO** for PR/3 only	BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	-		-	
	⊔	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

On two and three levels

with UL94V-0 polyamide insulating body





- feed-through
- feed-through, equipped with internal cross-connection
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto IEC 60715 rails
- DAS.4 terminal block **CESI 03 ATEX 162 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

*The **/GR** tag indicates the grey colour version.*

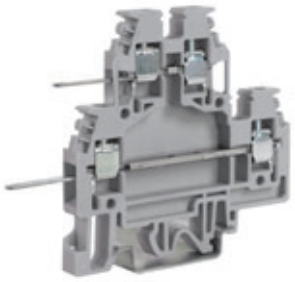
NEW grey version	DAS.4/GR Cat. No. DS100GR	DAS.4/CI/GR Cat. No. DS117GR
beige version	**DAS.4** Cat. No. **DS100**	**DAS.4/CI** Cat. No. **DS117**
(Ex)i version	**DAS.4 (Ex)i** Cat. No. **DS200**	**DAS.4/CI (Ex)i** Cat. No. **DS217**
TECHNICAL CHARACTERISTICS		
function / type	2 level feed-through	feed-through equipped with internal cross-connection
rated cross-section (mm²)	4	4
connecting capacity		
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V / 32 A / A4	630 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 20-12 AWG / 1 Nm	-
(Ex e) rated voltage ⊏⊐ / ⊓⊔ (V)	400 / 400	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	9	9
tightening torque value (test / recommended) (Nm)	0,5 / 1,2	0,5 / 1,2
height / width / thickness ⊓⊔ TH/35 7,5 mm	62 / 64 / 6	62 / 64 / 6
height / width / thickness ⊓⊔ TH/35 15 mm	70 / 64 / 6	70 / 64 / 6
height / width / thickness ⊏⊐ G32	66 / 64 / 6	66 / 64 / 6
APPROVALS	IEC Ex pending	Approvals referred to terminal block type DAS.4

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**DAS/PT/GR**	DS101GR	**DAS/PT/GR**	DS101GR
	beige	**DAS/PT**	DS101	**DAS/PT**	DS101
	blue	**DAS/PT (Ex)i**	DS201	**DAS/PT (Ex)i**	DS201
Permanent cross connection		**PM/41/2** poles	PM412	**PM/41/2** poles	PM412
		PM/51/3 poles	PM513	**PM/51/3** poles	PM513
		PM/51/5 poles	PM515	**PM/51/5** poles	PM515
		PM/51/10 poles	PM510	**PM/51/10** poles	PM510
Rated current carrying capacity of jumper	(A)	**32**		**32**	
Cross-connection identification strip (100 mm)	green	-		-	
Switchable cross connection		**POS/43**	POS43	**POS/43**	POS43
Multiple common bar	250 mm	**PMP/58**	PMP58	**PMP/58**	PMP58
Shunting screw and sleeve (same, Ex e version)		**CPM/01 (CPX/01)**	CPM01 (CPX01)	**CPM/01**	CPM01
Coloured partition	red, green, white	**DFU/7**	DU07..	**DFU/7**	DU07..
Cross connection barrier	red	-		-	
Test plug socket		**PSD/A**	PD001	**PSD/A**	PD001
Test plug		**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		**SNZ/60**	SN007	**SNZ/60**	SN007
Shunting screw and sleeve		**DAS/VCI**	DS107	-	
		DAS/VCE	DS108	**DAS/VCE**	DS108
Cover for cross-connection		**PRP/5**	PRP05	**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail ⊏⊐		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.		**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊓⊔		**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

On two and three levels

with UL94V-0 polyamide insulating body

- feed-through with solder lugs
- with upper disconnect lever
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours



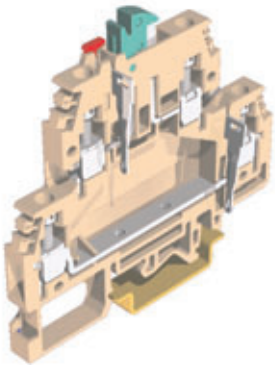
with 2.8 x 0.8 mm solder lugs

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

(*) value referred to the staggered position of solder lugs
(**) max. on lug
(***) referring respectively to upper and lower levels

*The **/GR** tag indicates the grey colour version.*

NEW grey version	DAS.4/SS/GR Cat. No. DS110GR	DSS.4/GR Cat. No. DS400GR
beige version	DAS.4/SS Cat. No. DS110	DSS.4 Cat. No. DS400
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	feed-through with solder lugs	with upper disconnect level
rated cross-section (mm²)	4	4
connecting capacity		
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	320 V - 500 V (*) / 20 A (**) / A4	400 V / 24-32 (***) / A4
rated voltage / rated current / AWG / tightening torque value UL	-	300 V / 24-32 A / 26-10 AWG / 0,5 Nm
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	-	-
rated impulse withstand voltage / pollution degree	4 KV / 3	6 KV / 3
insulation stripping length (mm)	9	9
tightening torque value (test / recommended) (Nm)	0,5 / 1,2	0,5 / 1,2
height / width / thickness ⊐⊏ TH/35 7,5 mm	62 / 80 / 6	62 / 78 / 6
height / width / thickness ⊏⊐ TH/35 15 mm	70 / 80 / 6	70 / 78 / 6
height / width / thickness ⊏⊐ G32	66 / 80 / 6	66 / 78 / 6
APPROVALS	Approvals referred to terminal block type DAS.4	



terminal block type DSS.4 with lever up and PTC/4 cross connections inserted on both levels.

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**DAS/PT/GR**	DS101GR	**DSS/PT/GR**	DS301GR
	beige	**DAS/PT**	DS101	**DSS/PT**	DS301
	blue				
Permanent cross connection		**PM/41/2** poles	PM412	**PTC/4/02** poles	PTC0402
		PM/51/3 poles	PM513	**PTC/4/03** poles	PTC0403
		PM/51/5 poles	PM515	**PTC/4/05** poles	PTC0405
		PM/51/10 poles	PM510	**PTC/4/10** poles	PTC0410
				PTC/4/00 (42 poles)	PTC0400
Rated current carrying capacity of jumper	(A)	**32**		**32**	
Cross-connection identification strip (100 mm)	green	-		**PTC/SP**	PTC0990
Switchable cross connection		**POS/43**	POS43	-	
Multiple common bar	250 mm	**PMP/58**	PMP58	-	
Shunting screw and sleeve		**CPM/01**	CPM01	-	
Coloured partition	red, green, white	**DFU/7**	DU07..	**DFU/7**	DU07..
Cross connection barrier	red	-		**DFM/500**	DF500
Test plug socket		**PSD/A**	PD001	-	
Test plug		**SDD/1**	DD001	-	
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		**SNZ/60**	SN007	**SNZ/60**	SN007
Fuse		-		-	
Cover for cross-connection		**PRP/5**	PRP05	-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3 for PR/3 only	BT003	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
	⊐⊏	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

On two and three levels

with UL94V-0 polyamide insulating body

- with push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours

6,3 x 0,8 mm or 2,8 x 0,8 mm, push-on connections conf. to IEC 60760

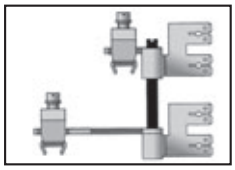
FVS/VCI - Cat. No. FV107
Shunting screws and sleeves for internal connection between the front and rear conducting bodies of terminal block type FVS.4

FVS/VCE - Cat. No. FV108
Screw and sleeve that, in addition to internal connection, allows to perform with the addition of PMP bar, adjoining cross-connections

*The **/GR** tag indicates the grey colour version.*

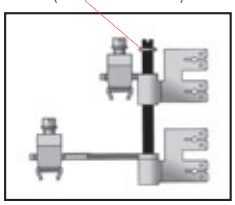
NEW grey version	FVS.4/GR Cat. No. FV100GR	FFS.4/GR Cat. No. FF100GR
beige version	FVS.4 Cat. No. FV100	FFS.4 Cat. No. FF100
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	for overlapped circuits	for overlapped circuits in staggered position
rated cross-section (mm²)	4	4
connecting capacity		
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	320 V / 20 A / A4	320 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 20-10 AWG / 1 Nm	600 V / 20 A / 20-10 AWG / 1 Nm
(Ex e) rated voltage / (V)	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3
insulation stripping length (mm)	12	12
tightening torque value (test / recommended) (Nm)	0,8 / 1,2	0,8 / 1,2
height / width / thickness TH/35 7,5 mm	69 / 64 / 6,5	69 / 64 / 6,5
height / width / thickness TH/35 15 mm	77 / 64 / 6,5	77 / 64 / 6,5
height / width / thickness G32	73 / 64 / 6,5	73 / 64 / 6,5
APPROVALS		

ACCESSORIES		FVS.4/GR Type	Cat. No.	FFS.4/GR Type	Cat. No.
End sections	grey	**FVS/PT/GR**	FV101GR	**FFS/PT/GR**	FF101GR
	beige	**FVS/PT**	FV101	**FFS/PT**	FF101
	blue				
Permanent cross connection		**PM/41/2** poles	PM412	**PM/41/2** poles	PM412
		PM/41/3 poles	PM413	**PM/41/3** poles	PM413
		PM/41/5 poles	PM415	**PM/41/5** poles	PM415
		PM/41/10 poles	PM410	**PM/41/10** poles	PM410
Rated current carrying capacity of jumper	(A)	**32**		**32**	
Switchable cross connection		**POS/72**	POS72	**POS/72**	POS72
Multiple common bar	250 mm	**PMP/42**	PMP42	**PMP/42**	PMP42
Shunting screw and sleeve		**CPM/01**	CPM01	**CPM/01**	CPM01
Coloured partition	red, green, white	**DFU/6**	DU06..	-	
Cross connection barrier	red	-		-	
Test plug socket		**PSD/A**	PD001	**PSD/A**	PD001
Test plug		**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		**SNZ/65**	SN006	**SNZ/65**	SN006
Shunting screw and sleeve		**FVS/VCI**	FV107	-	
		FVS/VCE	FV108	-	
Cover for cross-connection		**PRP/6**	PRP06	**PRP/6**	PRP06
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

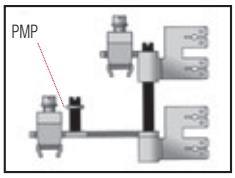


VCI
internal cross connection

PMP bar
(to be added to VCE)



VCE
internal
+
front adjoining cross-connection

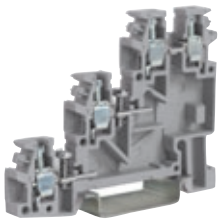


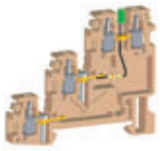
VCI + PM
parallelo interno
+
contiguo posteriore

On two and three levels

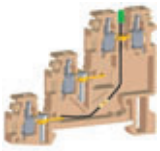
with UL94V-0 polyamide insulating body

- three level - for sensors
- with LOCK system
- suited for LED indication
- to be mounted onto PR/3 type rails - according to IEC 60715 Std., “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours

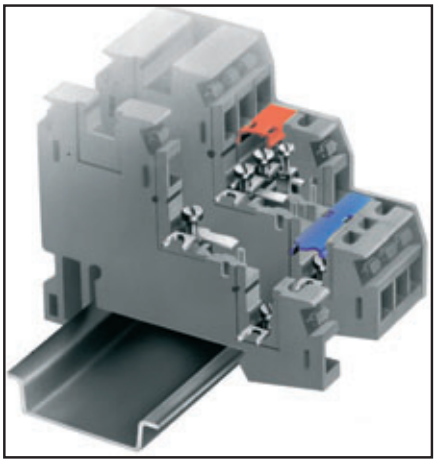




TLS.2/T



TLS.2/U



LOCK system

TLS.2/T Cat. No. TL120 (with green LED between upper and intermediate levels)
TLS.2/U Cat. No. TL110 (with green LED between upper and lower levels)

*The **/GR** tag indicates the grey colour version.*

NEW	**grey version**	
	beige version	
	(Ex)i version	
	TECHNICAL CHARACTERISTICS	
function / type		
rated cross-section	(mm²)	
connecting capacity		
flexible	(mm²)	
rigid	(mm²)	
max. flexible with ferrule (mm²)-ferrule type		
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	
rated voltage / rated current / AWG / tightening torque value	UL	
(Ex e) rated voltage /	(V)	
rated impulse withstand voltage / pollution degree		
insulation stripping length	(mm)	
tightening torque value (test / recommended)	(Nm)	
height / width / thickness	TH/35 7,5 mm	
height / width / thickness	TH/35 15 mm	
height / width / thickness	G32	
APPROVALS		
ACCESSORIES		
End sections	grey beige blue	
Permanent cross connection		
Rated current carrying capacity of jumper	(A)	
Switchable cross connection		
Multiple common bar	250 mm	
Shunting screw and sleeve		
Coloured partition	red, green, white	
Cross connection barrier	red	
Test plug socket		
Test plug		
Modular test plug		
End section for modular test plug		
Numbering strip		
Warning plate	on adjacent terminal blocks	
Cover for cross-connection		
Marking tag	printed or blank	
End bracket		
Mounting rail according to IEC 60715 Std.		

TLS.2/GR	Cat. No. **TL100GR**
TLS.2	Cat. No. **TL100**
three level - for sensors	
2,5	
0,2 ÷ 4	
0,2 ÷ 4	
2,5 - WP25/14	
250 V / 24 A / A3	
600 V / 15 A / 20-12 AWG / 0,6 Nm	
-	
4 KV / 3	
8	
0,4 / 0,8	
52 / 62,5 / 6,2	
60 / 62,5 / 6,2	
-	
Type	**Cat. No.**
TLS/PT/GR **TLS/PT**	TL101GR TL101
PM/20/2 poles **PM/30/3** poles **PM/30/5** poles **PM/30/10** poles	PM202 PM303 PM305 PM310
24	
POS/41	POS41
PMP/02	PMP02
CPM/21	CPM21
DFU/3	DU03..
DFM/400	DF400
PSD/D	PD004
SDD/1	DD001
-	
-	
SNZ/60	SN007
-	
PRP/5	PRP05
CNU/8-CSC	NU...-CS...
BTU for PR/DIN and PR/3 **BTO** for PR/3 only **BT/3** for PR/3 only	BT005 BT007 BT003
PR/3/AC for PR/DIN and PR/3 **PR/3/AS** same with slots	PR003 PR005

For the installation on limited longitudinal space where high density wiring is needed together with reliable insulation, special feed-through two/three level terminal blocks are available. The three level terminal blocks are suitable for circuits which are to be used and connected with specific equipment, as for example proximity sensors. In fact with the combined use of TLS.2 and TLD.2 terminal block, both the feeding and the signal carrying conductors of the proximity sensors can be economically and efficiently connected.
Particularly in the **TLS.2** terminal block, the intermediate and lower levels can be used to feed the sensors in d.c.; the feeding is distributed on the adjoining elements of the terminal board by means of a special **LOCK** connection system.

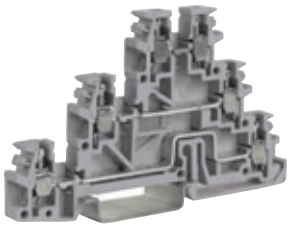
The above mentioned conducting bodies have a fork, pointed towards the exterior of the terminal block, which connects to the homologous element of the adjoining terminal block. The tightening of the resulting electrical contact is by means of a screw, already inserted in the threaded hole of the conducting bodies.
The LOCK system, above described, allows the connection of positive and negative poles, without the use of any other parallel cross connection. The conductors carrying the return signal from the sensor is connected to the upper feed-through level; the insertion, in the appropriate grooving of **PRP/5** coloured covers avoids any possible contact with the live parts, and allows an immediate identification of the polarity (Red for +, Blue for –).
TLD.2 terminal block is perfectly compatible with the **TLS.2** for the connection of proximity sensors, as it has the same electrical and mechanical characteristics. Two of six tightening units can be connected to the sensor feeding cables and distribute the power supply to the other sensors.
The cross-connection between the intermediate and lower levels of these terminal blocks to the contiguous ones of the TLS.2 can be performed by means of the two screws provided in the fork type conducting bodies of the TLS.2 – the first of the series – free from whatever connection; between the TLD.2 and TLS.2 terminal blocks a TLD/PI intermediate end section must be interposed, to ensure electric insulation of the TLD.2 terminal block conducting parts, which otherwise would be uncovered.
TLD.2 terminal block can also be used for other connecting applications, in other types of circuits.

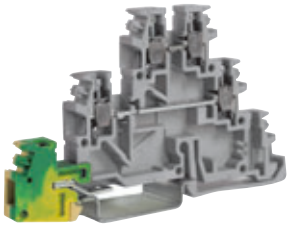
On two and three levels

with UL94V-0 polyamide insulating body

- 3 feed-through levels
- 3 levels + earth connection
- to be mounted onto TH 35-7,5 and TH 35-15 type rails - according to IEC 60715 Std.
- available in grey RAL 7042 and beige RAL 1001 colours

with earth connection on lower level





with earth connection on lower level and feed-through on intermediate and upper levels

*The **/GR** tag indicates the grey colour version.*

(*): 24 A factory wiring only

NEW grey version	TLE.2/GR Cat. No. TL400GR	TLD.2/GR Cat. No. TL200GR	TDE.2/GR Cat. No. TL500GR
beige version	TLE.2 Cat. No. TL400	TLD.2 Cat. No. TL200	TDE.2 Cat. No. TL500
(Ex)i version		TLD.2 (Ex)i Cat. No. TL300	
TECHNICAL CHARACTERISTICS			
function / type	2 levels + earth for actuators	3 feed-through levels	2 feed-through levels + earth
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	250 V / 24 A / A3	250 V / 24 A / A3	250 V / 24 A / A3
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A (*) / 20 ÷ 12 AWG / 0,4 Nm	600 V / 15 A / 20-12 AWG / 0,6 Nm	600 V / 20 A (*) / 20 ÷ 12 AWG / 0,4 Nm
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	-	-	-
rated impulse withstand voltage / pollution degree	4 KV / 3	4 KV / 3	4 KV / 3
insulation stripping length (mm)	8	8	8
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,4 / 0,8	0,4 / 0,8
height / width / thickness ⊐⊏ TH/35 7,5 mm	52 / 62,5 / 6,2	52 / 85 / 6,2	52 / 85 / 6,2
height / width / thickness ⊏⊐ TH/35 15 mm	60 / 62,5 / 6,2	60 / 85 / 6,2	60 / 85 / 6,2
height / width / thickness ⊏⊐ G32	-	-	-
APPROVALS	c UL us KEMA KEUR	c UL us KEMA KEUR	c UL us KEMA KEUR
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**TLS/PT/GR** TL101GR	**TLD/PT/GR** TL201GR	**TLD/PT/GR** TL201GR
beige	**TLS/PT** TL101	**TLD/PT** TL201	**TLD/PT** TL201
intermedio		**TLD/PI** TL202	
Permanent cross connection	**PM/20/2** poles PM202	**PM/20/2** poles PM202	**PM/20/2** poles PM202
	PM/30/3 poles PM303	**PM/30/3** poles PM303	**PM/30/3** poles PM303
	PM/30/5 poles PM305	**PM/30/5** poles PM305	**PM/30/5** poles PM305
	PM/30/10 poles PM310	**PM/30/10** poles PM310	**PM/30/10** poles PM310
Rated current carrying capacity of jumper (A)	**24**	**24**	**24**
Switchable cross connection	**POS/41** POS41	**POS/41** POS41	**POS/41** POS41
Multiple common bar 250 mm	**PMP/02** PMP02	**PMP/41** PMP41	**PMP/02** PMP02
Shunting screw and sleeve	**CPM/21** CPM21	**CPM/21** CPM21	**CPM/21** CPM21
Coloured partition red, green, white	**DFU/3** DU03..	**DFU/3** DU03..	**DFU/3** DU03..
Cross connection barrier red	**DFM/400** DF400	**DFM/400** DF400	**DFM/400** DF400
Test plug socket	**PSD/D** PD004	**PSD/D** PD004	**PSD/D** PD004
Test plug	**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SNZ/60** SN007	**SNZ/60** SN007	**SNZ/60** SN007
Warning plate on adjacent terminal blocks	-	-	-
Cover for cross-connection	**PRP/5** PRP05	**PRP/5** PRP05	**PRP/5** PRP05
Marking tag printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BTO for PR/3 only BT007	**BTO** for PR/3 only BT007	**BTO** for PR/3 only BT007
	BT/3 for PR/3 only BT003	**BT/3** for PR/3 only BT003	**BT/3** for PR/3 only BT003
Mounting rail ⊏⊐ according to IEC 60715 Std.	-	-	-
⊐⊏	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003
	PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

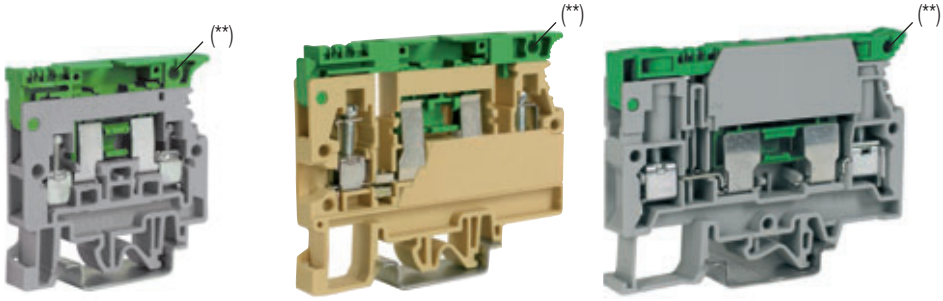
Fuse-holders

with UL94V-0 polyamide insulating body

- for ø 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL…)
- available in standard (grey RAL 7042 and beige RAL 1001 colours, where indicated) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

*The **/GR** tag indicates the grey colour version.*



with possibility to perform cross connections both upstream and downstream the disconnection point

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
SFR.4	250	6,3	2,5	1,6	2,5	2,5
SFO.4	250	6,3	2,5	1,6	4	2,5
SFR.6/M	250	6,3 / 10 Max.	2,5 (6,3 A)	1,6 (6,3 A)	4 (10 A)	2,5 (6,3 A)

(*) value referred to the insulation characteristics of the terminal block — (**) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

NEW **grey version**		**SFR.4/GR** Cat. No. **SF900GR**		**SFR.6/M/GR** Cat. No. **SR500GR**
beige version		**SFR.4** Cat. No. **SF900**	**SFO.4** Cat. No. **SF400**	**SFR.6/M** Cat. No. **SR500**
(Ex)i version		**SFR.4 (Ex)i** Cat. No. **SF850**	**SFO.4 (Ex)i** Cat. No. **SF600**	**SFR.6/M (Ex)i** Cat. No. **SR600**
TECHNICAL CHARACTERISTICS				
function / type		for ø 5 x 20 mm fuses	for ø 5 x 20 mm fuses	for ø 5 x 20 mm fuses
rated cross-section	(mm²)	4	4	6
connecting capacity				
flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 10
rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 10
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	4 - WP40/16	6 - WP60/20
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V (*) / 6,3 A max (20 A with CO/5) / A4	800 V (*) / 6,3 A max (16 A with CO/5) / A4	630 V (*) / 6,3 A max (19 A with CO/5) / A5
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 6,3 A / 20-12 AWG / 0,5 Nm	600 V / 6,3 A / 20-12 AWG / 0,79 Nm	600 V / 6,3 A / 20-8 AWG / 1,4 Nm
(Ex e) rated voltage ⊏⊐ / ⊏⊐	(V)	-	-	-
rated impulse withstand voltage / pollution degree		6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length	(mm)	11	11	11
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2	0,5 / 1,2	0,8 / 1,4
height / width / thickness	⊏⊐ TH/35 7,5 mm	52 / 52 / 8	59 / 73 / 8	59 / 79 / 10
height / width / thickness	⊏⊐ TH/35 15 mm	60 / 52 / 8	67 / 73 / 8	67 / 79 / 10
height / width / thickness	⊏⊐ G32	56 / 52 / 8	62 / 73 / 8	63 / 79 / 10
APPROVALS		c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	c UL us, KEMA KEUR
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	**SFR.4/PT/GR** SF701GR	-	**SFR.6/PT/GR** SF301GR
	beige	**SFR.4/PT** SF701	**SFO/PT** SF401	**SFR.6/PT** SF301
	blue	**SFR.4/PT (Ex)i** SF801	**SFO/PT (Ex)i** SF601	**SFR.6/PT (Ex)i** SF401
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted		-	**PM/90/2** poles PM902 **PM/90/3** poles PM903 **PM/90/5** poles PM905 **PM/90/10** poles PM900	**PTC/20/02** poles (***) PTC2002 **PTC/20/03** poles PTC2003 **PTC/20/05** poles PTC2005 **PTC/20/10** poles PTC2010 **PTC/20/00** (25 poles) PTC2000
Rated current carrying capacity of jumper	(A)	-	**24**	**25**
Cross-connection identification strip (100 mm)	green	-	-	**PTC/SP** PTC0990
Multiple common bar	250 mm	-	**PMP/20** PMP20	-
Shunting screw and sleeve		-	**CPM/20** CPM20	-
Coloured partition	red, green, white	**DFU/3** DU03..	**DFU/7** DU07..	**DFU/7** DU07..
Cross connection barrier	red	-	-	**DFM/300** DF300
Test plug socket		-	**PSD/J** PD014	-
Test plug		-	**SDD/1** DD001	**SDD/1** DD001
Numbering strip		**SNZ/8** SN004	**SNZ/8** SN004	**SNZ/10** SN010
Miniature fuse	Ø 5 x 20 mm	**F5** FN...	**F5** FN...	**F5** FN...
LED circuit composed by: - 2 contacts - 1 microcircuit or bulb - 1 transparent cover - to be inserted in such a sequence	non-polarised	**CIL/12** SF512 **CIL/24** SF524 **CIL/48** SF548 **CIL/115** SF515 **CIL/230** SF523	**CIL/12** SF512 **CIL/24** SF524 **CIL/48** SF548 **CIL/115** SF515 **CIL/230** SF523	**KITLSN/12-24** KIT1224 **KITLSN/70-380** KIT70380
Marking tag	printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
	⊏⊐	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005

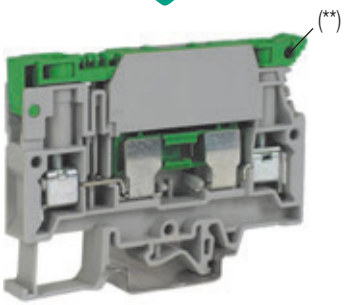
Fuse-holders

with UL94V-0 polyamide insulating body

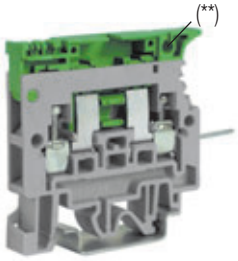
- for ø 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL…)
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- for ø 6.3 x 32 mm fuses
- with solder lug
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types

Please, see page 136 (table) to determine the insulation voltage of the different PTC connection diagrams

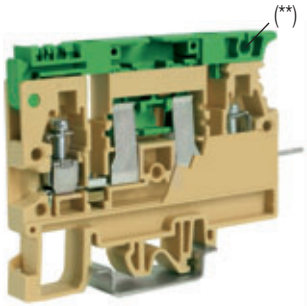
*The **/GR** tag indicates the grey colour version.*



The terminal block is equipped with a lever suited to house a ø 6.3 x 32 mm - 500 V - 25 A max. fuse (not supplied)



4 x 0,8 mm solder lug



4 x 0,8 mm solder lug

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
SFR.6	250	10	2,5 (2,5 A)	1,6 (1 A)	4 (10 A)	2,5 (2,5 A)
SFR.4	250	6,3	2,5	1,6	2,5	2,5
SFO.4	250	6,3	2,5	1,6	4	2,5

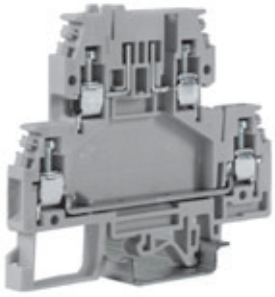
(*) value referred to the insulation characteristics of the terminal block — (**) all terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks — (****) neon bulb

NEW	**grey version**	**SFR.6/GR** Cat. No. **SR300GR**	**SFR.4/VS/GR** Cat. No. **SF910GR**	
	beige version	**SFR.6** Cat. No. **SR300**	**SFR.4/VS** Cat. No. **SF910**	**SFO.4/VS** Cat. No. **SF410**
	(Ex)i version	**SFR.6 (Ex)i** Cat. No. **SR400**		
	TECHNICAL CHARACTERISTICS			
function / type		for fuses	for fuses with solder lug	for fuses with solder lug
rated cross-section	(mm²)	6	4	4
connecting capacity				
flexible	(mm²)	0,2 ÷ 10	0,2 ÷ 6	0,2 ÷ 6
rigid	(mm²)	0,2 ÷ 10	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		6 - WP60/20	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V (*) / 10 A (33 A with SFC/CO) / A5	400 V (*) / 6,3 A max (15 A with CO/5) / A4	400 V (*) / 6,3 A max (15 A with CO/5) / A4
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 10 A / 20-8 AWG / 1,4 Nm	-	-
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	-	-	-
rated impulse withstand voltage / pollution degree		6 KV (*) / 3	4 KV (*) / 3	4 KV (*) / 3
insulation stripping length	(mm)	11	11	11
tightening torque value (test / recommended)	(Nm)	0,8 / 1,4	0,5 / 1,2	0,5 / 1,2
height / width / thickness	⊓⊔ TH/35 7,5 mm	59 / 79 / 10	52 / 65 / 8	59 / 85 / 8
height / width / thickness	⊓⊔ TH/35 15 mm	67 / 79 / 10	60 / 65 / 8	67 / 85 / 8
height / width / thickness	⊏⊐ G32	63 / 79 / 10	56 / 65 / 8	63 / 85 / 8
APPROVALS		c UL us, KEMA KEUR	Terna LV 27/6, Enel Distribuzione DV 27/6 — other approvals referred to the standard version	Terna LV 27/6, Enel Distribuzione DV 27/6 — other approvals referred to the standard version
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	**SFR.6/PT/GR** SR301GR	-	-
	beige	**SFR.6/PT** SR301	**SFR.4/PT** SR701	**SFO/PT** SF401
	blue	**SFR.6/PT (Ex)i** SR401	-	-
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted		**PTC/20/02** poles (***) PTC2002 **PTC/20/03** poles PTC2003 **PTC/20/05** poles PTC2005 **PTC/20/10** poles PTC2010 **PTC/20/00** (25 poles) PTC2000	-	**PM/90/2** poles PM902 **PM/90/3** poles PM903 **PM/90/5** poles PM905 **PM/90/10** poles PM900
Rated current carrying capacity of jumper	(A)	**25**	**-**	**25**
Cross-connection identification strip (100 mm)	green	**PTC/SP** PTC0990	-	-
Multiple common bar	250 mm	-	-	**PMP/20** PMP20
Shunting screw and sleeve		-	-	-
Coloured partition	red, green, white	**DFU/7** DU07..	**DFU/3** DU03..	**DFU/7** DU07..
Cross connection barrier	red	**DFM/300** DF300	-	-
Test plug socket		-	-	-
Test plug		**SDD/1** DD001	-	**SDD/1** DD001
Numbering strip		**SNZ/10** SN010	**SNZ/8** SN004	**SNZ/8** SN004
Miniature fuse	Ø 5 x 20 mm	-	**F5** FN...	**F5** FN...
LED circuit composed by: - 2 contacts - 1 microcircuit or bulb - 1 transparent cover - to be inserted in such a sequence	non-polarised	**KITLSN/12-24** KIT1224 **KITLSN/70-380** KIT70380	**CIL/12** SF512 **CIL/24** SF524 **CIL/48** SF548 **CIL/115** SF515 **CIL/230** SF523	**CIL/12** SF512 **CIL/24** SF524 **CIL/48** SF548 **CIL/115** SF515 **CIL/230** SF523
Marking tag	printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
	⊓⊔	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005

Fuse-holders

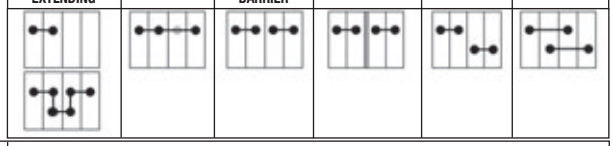
with UL94V-0 polyamide insulating body

- for blade fuse acc. to DIN 72581/3F – ISO 8820
- standard versions available in grey RAL 7042 and beige RAL 1001 colours (where indicated)
- with possibility to insert the "Easy Bridge" multi-pole cross connection upstream the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types



(*) value referred to the insulation characteristics of the terminal block
(**) values referred, respectively, to lower and upper levels
(***) suitable for all the blade fuses with similar dimensions
(****) separate configuration conf. to IEC 60947-7-3

PTC jumper configurations

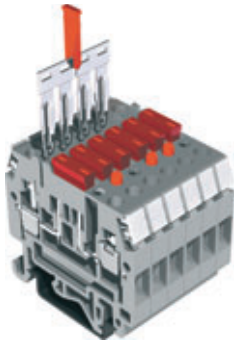


Terminal block	Jumper	Insulation voltage in the above configurations (V)				
MPFA.4	PTC/4	400	400		400	
DSFA.4	PTC/4	400	400		400	

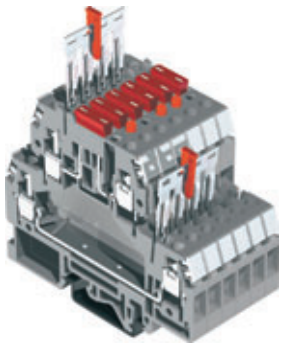
*The **/GR** tag indicates the grey colour version.*

	MPFA.4/GR Cat. No. MF100GR	DSFA.4/GR Cat. No. DA100GR
grey version		
beige version	**MPFA.4** Cat. No. **MF100**	**DSFA.4** Cat. No. **DA100**
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	for blade fuse (***)	2 level - for blade fuse (***) on the upper level
rated cross-section (mm²)	4	4
connecting capacity		
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V (*) / 15 A (****) / A4	400 V (*) / 15 A (****) - 32 A (**) / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 6,3 A / 26-10 AWG / 0,5 Nm	300 V / 6,3 - 30 A / 26-10 AWG / 0,5 Nm
(Ex e) rated voltage (V)	-	-
rated impulse withstand voltage / pollution degree	6 KV (*) / 3	6 KV / 3
insulation stripping length (mm)	9	9
tightening torque value (test / recommended) (Nm)	0,5 / 1,2	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	47 / 47 / 6	68 / 78 / 6
height / width / thickness TH/35 15 mm	55 / 47 / 6	75 / 78 / 6
height / width / thickness G32	51 / 47 / 6	72 / 78 / 6
APPROVALS	Approvals referred to the use with CPF/5 fuse carrier cartridge	Approvals referred to the use with CPF/5 fuse carrier cartridge

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**MPS.4/PT/GR**	MP901GR	**DSS/PT/GR**	DS301GR
	beige	**MPS.4/PT**	MP901	**DSS/PT**	DS301
	blue	-		-	
Permanent cross connection (***) intrinsically IPXXB protected once mounted		**PTC/4/02** poles	PTC0402	**PTC/4/02** poles	PTC0402
		PTC/4/03 poles	PTC0403	**PTC/4/03** poles	PTC0403
		PTC/4/05 poles	PTC0405	**PTC/4/05** poles	PTC0405
		PTC04/10 poles	PTC0410	**PTC04/10** poles	PTC0410
		PTC/4/00 (42 poles)	PTC0400	**PTC/4/00** (42 poles)	PTC0400
Rated current carrying capacity of jumper (A)		**32**		**32**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Switchable cross connection		-		-	
Multiple common bar	250 mm	-		-	
Shunting screw and sleeve		-		-	
Coloured partition	red, green, white	**DFU/3**	DU03..	**DFU/7**	DU07..
Cross connection barrier	red	**DFM/500**	DF500	**DFM/500**	DF500
Test plug socket		-		-	
Test plug		-		-	
Modular test plug		-		-	
End section for modular test plug		-		-	
Blade-type fuses according to DIN 72581/3F ISO 8820 - max voltage 32 V	In = 2 A	**F32/2** In = 2 A	FN03202	**F32/2** In = 2 A	FN03202
	In = 5 A	**F32/5** In = 5 A	FN03205	**F32/5** In = 5 A	FN03205
	In = 7,5 A	**F32/7** In = 7,5 A	FN03207	**F32/7** In = 7,5 A	FN03207
	In = 15 A	**F32/15** In = 15 A	FN03215	**F32/15** In = 15 A	FN03215
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005



MPFA.4 – detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 and PTC.
The terminal block can be supplied with a non-polarised LED signal circuit, to detect the fuse blow-out status.
Two versions are available depending on the different supply voltages.
MPFA.4/L12 Cat. No.MF112 (with 12 V non-polarised LED circuit)
MPFA.4/L24 Cat. No.MF124 (with 24 V non-polarized LED circuit)



DSFA.4 – detail of the terminal blocks with CNU/8 and SNZ/60 numbering, blade fuse, view of the PTC/4 jumpers on the upper level (upstream the fuse) and on the lower level. The terminal block can be supplied with a non-polarised LED signal circuit, to detect the fuse blow-out status. Two versions are available depending on the different supply voltages.
DSFA.4/L12 Cat. No.DA112 (with 12 V non-polarised LED circuit)
DSFA.4/L24 Cat. No.DA124 (with 24 V non-polarised LED circuit)

Component-holder cartridge

with UL94V-0 polyamide insulating body

- to be mounted on MPFA.4, DSFA.4 and HMFA.2 (see page 84)
- a fuse Ø 5 x 20 mm can be inserted (our type F5, with or without signalling LED, diode (1 or 3 A), brass pin Ø 5 x 20 mm and other components (e.g. resistors)

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
MPFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
DSFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
HMFA.2 + CPF/5	250	6,3	1,6	1,6	4	1,6

standard version	CPF/5 Cat. No. CPF05
TECHNICAL CHARACTERISTICS	
function / type	component-holder cartridge
rated cross-section (mm²)	-
connecting capacity	
flexible (mm²)	-
rigid (mm²)	-
max. flexible with ferrule (mm²)-ferrule type	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	320 V (a) / 6,3 A (a) / A5
rated voltage / rated current / AWG / tightening torque value UL	-
(Ex e) rated voltage ⊏⊐ / ⎍ (V)	-
rated impulse withstand voltage / pollution degree	4 KV / 3
insulation stripping length (mm)	-
tightening torque value (test / recommended) (Nm)	-
height / width / thickness ⎍ TH/35 7,5 mm	(b) / 33 / 6
height / width / thickness ⎍ TH/35 15 mm	(b) / 33 / 6
height / width / thickness ⊏⊐ G32	(b) / 33 / 6

The cartridge can contain a spare fuse, instead of the LED signalling circuit.

APPROVALS

Approvals referred to the terminal blocks, on which the cartridge is mounted – see table

ACCESSORIES		Type	Cat. No.
Marking tag	printed or blank	**CNU/8**	NU...
Tinned brass conductor	Ø 5 x 20 mm	**CO/5**	VL103
Cartridge / insert with 1 A diode		**SFR/I1A** (with 1 A diode)	SF992
Cartridge / insert with 3 A diode		**SFR/I3A** (with 3 A diode)	SF993

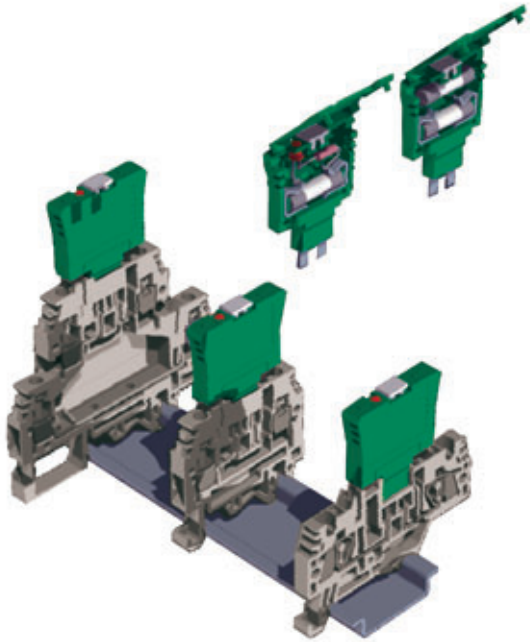
VERSIONI PREDISPOSTE		Type	Cat. No.
With non-polarized LED microcircuit	12 Vdc / Vac	**CPF/5L12**	CPF512
With non-polarized LED microcircuit	24 Vdc / Vac	**CPF/5L24**	CPF524
With non-polarized LED microcircuit	48 Vdc / Vac	**CPF/5L48**	CPF548
With non-polarized LED microcircuit	115 Vdc / Vac	**CPF/5L115**	CPF511
With non-polarized LED microcircuit	230 Vdc / Vac	**CPF/5L230**	CPF523
With 1 A diode (1N4001 ÷ 1N4007 types)		**CPF/5D1A**	CPF501
With 3 A diode (BY255 type)		**CPF/5D3A**	CPF503
With resistor 1200 Ω (1 W ± 5%)		**CPF/5R**	CPR05

Note:

(a) with fuse ø 5 x 20 mm, 250 V, Imax = 6,3 A – with brass pin Imax = 10 A

(b) total value, when the cartridge is mounted on terminals, considering as well the mounting rail:

Terminal block	Height on rail ⎍ TH/35 7,5 (mm)	Height on rail ⎍ TH/35 15 (mm)	Height on rail ⊏⊐ G32 (mm)
HMFA.2	57	75	-
MPFA.4	75	83	79
DSFA.4	96	104	100



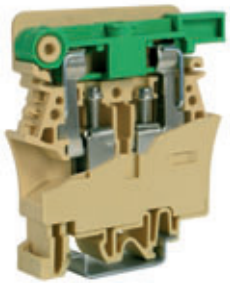
View of the different choices for mounting the cartridge respectively on terminals DSFA.4, MPFA.4 or HMFA.2.

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

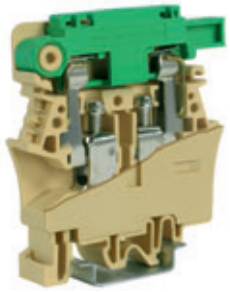
Fuse-holders

with UL94V-0 polyamide insulating body

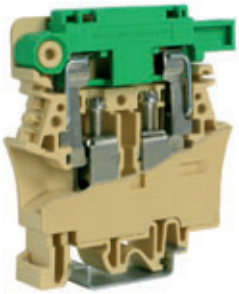
- for ø 6.3 x 32 mm fuses
- for ø 6.3 x 32 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED micro-circuit (CIL…)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., G32 and "TH/35" types
- available in beige RAL 1001 colour



The terminal block is equipped with a lever suited to house a ø 6.3 x 32 mm - 500 V fuse (not supplied).



The terminal block is equipped with a lever suited to house a ø 6.3 x 32 mm - 500 V fuse and a non-polarised LED microcircuit. The interruption of the fuse determines the ignition of the LED. The terminal block can be supplied with the CIL circuit already mounted for the insertion of a non polarised LED circuit.



The terminal block is equipped with a lever suited to house a ø 6.3 x 32 mm - 500 V fuse and a neon lamp with incorporated resistance (our type LSN ø 6 x 26 mm - 380 V max) The interruption of the fuse determines the ignition of the lamp.

(*) value referred to the insulation characteristics of the terminal block
(**) for simultaneous disconnection of adjoining terminal blocks

LSN

beige version		FPC.10 Cat. No. FP100	FPL.10/C Cat. No. FP300	FPL.10/L Cat. No. FP200
(Ex)i version				
TECHNICAL CHARACTERISTICS				
function / type		for ø 6.3 x 32 mm fuses	for ø 6.3 x 32 mm fuses with LED	for ø 6.3 x 32 mm fuses with lamp
rated cross-section	(mm²)	10	10	10
connecting capacity				
flexible	(mm²)	1,5 ÷ 16	1,5 ÷ 16	1,5 ÷ 16
rigid	(mm²)	1,5 ÷ 16	1,5 ÷ 16	1,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type		10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V (*) / 10 A (20 A with SFC/CO) / B6	800 V (*) / 10 A / B6	800 V (*) / 10 A (20 A with SFC/CO) / B6
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 15 A / 20-6 AWG / 0,79 Nm	300 V / 15 A / 20-6 AWG / 0,79 Nm	300 V / 15 A / 20-6 AWG / 0,79 Nm
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	-	-	-
rated impulse withstand voltage / pollution degree		6 KV (*) / 3	6 KV (*) / 3	6 KV (*) / 3
insulation stripping length	(mm)	17	17	17
tightening torque value (test / recommended)	(Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness	⊓⊔ TH/35 7,5 mm	70 / 63 / 12	71 / 63 / 12	71 / 63 / 12
height / width / thickness	⊔ TH/35 15 mm	78 / 63 / 12	79 / 63 / 12	79 / 63 / 12
height / width / thickness	⊏⊐ G32	74 / 63 / 12	75 / 63 / 12	75 / 63 / 12
APPROVALS		c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	Approvals referred to the standard version
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	beige	-	-	-
	blue	-	-	-
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted		-	-	-
Switchable cross connection		-	-	-
Multiple common bar	250 mm	-	-	**PMP/20** PMP20
Shunting screw and sleeve		-	-	-
Coloured partition	red, green, white	**DFU/6** DU06..	**DFU/6** DU06..	**DFU/6** DU06..
Cross connection barrier	red	-	-	-
Test plug socket		-	-	-
Test plug		**SDD/2** DD002	-	**SDD/1** DD001
MSM handle (**)		**MSM** (6 elements) FC103	**MSM** (6 elements) FC103	**MSM** (6 elements) FC103
Neon lamp Ø 6 x 26 mm		-	-	**LSN** FL202
LED circuit composed by: - 2 contacts - 1 microcircuit - 1 transparent cover - to be inserted in such a sequence	**non-polarised**	-	**CIL/12** SF512 **CIL/24** SF524 **CIL/48** SF548 **CIL/115** SF515 **CIL/230** SF523	-
Marking tag	printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
	⊓⊔	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005

Fuse-holders with LED circuit

with UL94V-0 polyamide insulating body

- for ø 5 x 20 mm fuses, with possibility to detect the fuse blow-out status, by means of a LED microcircuit (CIL…))
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- with non-polarised LED microcircuits (CIL) to operate under a.c and/or d.c. and to detect the fuse blow-out status
- available in beige RAL 1001 colour

(*) value referred to the insulation characteristics of the terminal

The terminal block is equipped with a lever suited for the housing of our **F5** type - ø 5 x 20 mm **fuse.**

Non-polarized LED microcircuits (CILs) are inserted in an appropriate housing of the lever.

The interruption of the fuse determines the ignition of the LED.

Various versions, according to different voltages, are available.

F5 ø 5 x 20 mm fuse
(250 V - 5 A max)

CIL/... circuit

beige version	**SFR.4/C12** Cat. No. **SF912** with 12V non-polarized LED circuit **SFR.4/C24** Cat. No. **SF924** with 24V non-polarized LED circuit	**SFR.4/C48** Cat. No. **SF948** with 48V non-polarized LED circuit **SFR.4/C115** Cat. No. **SF915** with 115V non-polarized LED circuit **SFR.4/C230** Cat. No. **SF923** with 230V non-polarized LED circuit
(Ex)i version		

TECHNICAL CHARACTERISTICS			
function / type		fuse-holder with LED	fuse-holder with LED
rated cross-section	(mm²)	4	4
connecting capacity			
flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V (*) / 6,3 A max / A4	800 V (*) / 6,3 A max / A4
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 6,3 A / 20-12 AWG / 0,5 Nm	600 V / 6,3 A / 20-12 AWG / 0,5 Nm
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	-	-
rated impulse withstand voltage / pollution degree		6 KV (*) / 3	6 KV (*) / 3
insulation stripping length	(mm)	11	11
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2	0,5 / 1,2
height / width / thickness	⊓⊔ TH/35 7,5 mm	52 / 52 / 8	52 / 52 / 8
height / width / thickness	⊓⊔ TH/35 15 mm	60 / 52 / 8	60 / 52 / 8
height / width / thickness	⊏⊐ G32	56 / 52 / 8	56 / 52 / 8

APPROVALS

Approvals referred to the standard version (see page 32)

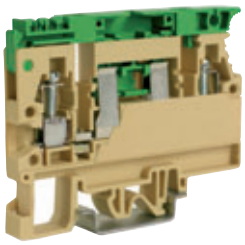
Approvals referred to the standard version (see page 32)

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	beige blue	**SFR/PT** -	SF701	**SFR/PT** -	SF701
Permanent cross connection		-		-	
Switchable cross connection		-		-	
Multiple common bar	250 mm	-		-	
Shunting screw and sleeve		-		-	
Coloured partition	red, green, white	**DFU/3**	DU03..	**DFU/3**	DU03..
Cross connection barrier	red	-		-	
Test plug socket		-		-	
Test plug		-		-	
Numbering strip		**SNZ/8**	SN004	**SNZ/8**	SN004
Miniature fuse	Ø 5 x 20 mm	**F5**	FN...	**F5**	FN...
Conducting element		**CO/5**	VL103	**CO/5**	VL103
LED circuit	**non-polarized**	-		-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3 **BT/DIN/PO** for PR/DIN only **BT/3-BTO** for PR/3 only	BT005 BT001 BT003-BT007	**BTU** for PR/DIN and PR/3 **BT/DIN/PO** for PR/DIN only **BT/3-BTO** for PR/3 only	BT005 BT001 BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002	**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium	PR001 PR004 PR002
	⊓⊔	**PR/3/AC** for PR/DIN and PR/3 **PR/3/AS** same with slots	PR003 PR005	**PR/3/AC** for PR/DIN and PR/3 **PR/3/AS** same with slots	PR003 PR005

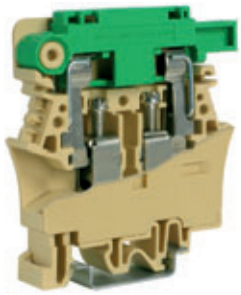
Fuse-holders with LED circuit

with UL94V-0 polyamide insulating body

- with non-polarized LED microcircuits (CIL) to operate under a.c. and/or d.c. and to detect the blow-out status of the fuse
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in beige RAL 1001 colour



(**) The terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks.



The terminal blocks are provided with a lever suited to house an **F5** type ø 5 x 20 mm **fuse** for terminal block type SFO.4 and ø 6.3 x 32 mm fuse for terminal block type FPL.10. The non-polarised printed **microcuircuits** are inserted in an appropriate housing in the lever. The blow-out status of the fuse ignites the LED. Various versions for different voltages are available.

CIL/... circuit

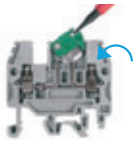
(*) value referred to the insulating characteristics of the terminal block

beige version	**SFO.4/C12** Cat. No. **SF812** with 12V non-polarized LED circuit **SFO.4/C24** Cat. No. **SF824** with 24V non-polarized LED circuit	**SFO.4/C48** Cat. No. **SF848** with 48V non-polarized LED circuit **SFO.4/C115** Cat. No. **SF815** with 115V non-polarized LED circuit **SFO.4/C230** Cat. No. **SF823** with 230V non-polarized LED circuit	**FPL.10/C12** Cat. No. **FP912** with 12V non-polarized LED circuit **FPL.10/C24** Cat. No. **FP924** with 24V non-polarized LED circuit **FPL.10/C48** Cat. No. **FP948** with 48V non-polarized LED circuit **FPL.10/C115** Cat. No. **FP915** with 115V non-polarized LED circuit **FPL.10/C230** Cat. No. **FP923** with 230V non-polarized LED circuit
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for ø 5 x 20 mm fuse and LED circuit	for ø 5 x 20 mm fuse and LED circuit	for ø 6,3 x 32 mm fuse and LED circuit
rated cross-section (mm²)	4	4	10
connecting capacity			
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6	1,5 ÷ 16
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6	1,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 6,3 A max (25 A con CO/5) / A4	800 V (*) / 6,3 A max (25 A con CO/5) / A4	800 V (*) / 10 A / B6
rated voltage / rated current / AWG / tightening torque value UL	250 V / 20 A / 20-12 AWG / 0,79 Nm	250 V / 20 A / 20-12 AWG / 0,79 Nm	300 V / 15 A / 20-6 AWG / 0,79 Nm
(Ex e) rated voltage ⊏⊐ / ⊓⊔ (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 KV (*) / 3	6 KV (*) / 3	6 KV (*) / 3
insulation stripping length (mm)	11	11	17
tightening torque value (test / recommended) (Nm)	0,8 / 1,2	0,8 / 1,2	1,2 / 1,9
height / width / thickness ⊓⊔ TH/35 7,5 mm	59 / 73 / 8	59 / 85 / 8	71 / 63 / 12
height / width / thickness ⊓ TH/35 15 mm	67 / 73 / 8	67 / 85 / 8	79 / 63 / 12
height / width / thickness ⊏⊐ G32	62 / 73 / 8	62 / 85 / 8	75 / 63 / 12
APPROVALS	Approvals referred to the standard version (see page 32)	Approvals referred to the standard version (see page 32)	Approvals referred to the standard version (see page 36)
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections beige	**SFO/PT** SF401	**SFO/PT** SF401	-
blue	-	-	
Permanent cross connection	**PM/90/2** poles PM902 **PM/90/3** poles PM903 **PM/90/5** poles PM905 **PM/90/10** poles PM900	**PM/90/2** poles PM902 **PM/90/3** poles PM903 **PM/90/5** poles PM905 **PM/90/10** poles PM900	-
Rated current carrying capacity of jumper (A)	25	25	-
Multiple common bar 250 mm	**PMP/20** PMP20	**PMP/20** PMP20	-
Shunting screw and sleeve	**CPM/20** CPM20	**CPM/20** CPM20	-
Coloured partition red, green, white	**DFU/7** DU07..	**DFU/7** DU07..	**DFU/6** DU06..
Cross connection barrier red	-	-	-
Test plug socket	**PSD/J** PD014	**PSD/J** PD014	-
Test plug	**SDD/1** DD001	**SDD/1** DD001	-
Numbering strip	**SNZ/8** SN004	**SNZ/8** SN004	-
Miniature fuse Ø 5 x 20 mm	**F5** FN...	**F5** FN...	-
MSM handle	-	-	**MSM** (6 elements) FC103
LED circuit **non-polarized**	-	-	-
Marking tag printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 **BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
⊓⊔	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** for PR/DIN and PR/3 PR003 **PR/3/AS** same with slots PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - acc. to IEC 60715 Std., "G32" and "TH/35" types



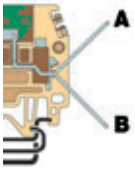
Opening of the link blade

*The **/GR** tag indicates the grey colour version.*

with cross-connection possibility and suited to house a **ø 2.3 mm test plug, only in the slot of the cross-connection**

with cross-connection possibility and suited to house a **ø 2.3 mm test plug, in the slot of the cross-connection or in the head of the tightening screws**

with 1 screw and 1 solder connection, 4 x 0.8 mm



(*) value referred to the staggered position of the lugs (A or B)

NEW **grey version**	**MPS.2/SW/GR** Cat. No. **MP120GR**	**MPS.2/SWP/GR** Cat. No. **MP710GR**	
beige version	**MPS.2/SW** Cat. No. **MP120**	**MPS.2/SWP** Cat. No. **MP710**	**MPS.2/SV** Cat. No. **MP220**
(Ex)i version	**MPS.2/SW (Ex)i** Cat. No. **MP130**		

TECHNICAL CHARACTERISTICS				
function / type		disconnect with cross-connection possibility	disconnect with cross-connection possibility	disconnect lever with 1 screw and 1 solder connect.
rated cross-section	(mm²)	2,5	2,5	2,5
connecting capacity				
flexible	(mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid	(mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type		2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V / 18 A / A3	630 V / 18 A / A3	500 V (*) / 18 A / A3
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 20 A / 20-12 AWG / 0,6 Nm	600 V / 20 A / 20-12 AWG / 0,6 Nm	300 V / 20 A / 20-12 AWG / 0,6 Nm
(Ex e) rated voltage ⊏⊐/ ⊔⊔	(V)	-	-	-
rated impulse withstand voltage / pollution degree		6 KV / 3	6 KV / 3	4 KV / 3
insulation stripping length	(mm)	8	8	8
tightening torque value (test / recommended)	(Nm)	0,4 / 0,8	0,4 / 0,8	0,4 / 0,8
height / width / thickness	⊔⊔ TH/35 7,5 mm	43 / 45 / 5,5	43 / 45 / 5,5	43 / 60 / 5,5
height / width / thickness	⊔⊔ TH/35 15 mm	51 / 45 / 5,5	51 / 45 / 5,5	51 / 60 / 5,5
height / width / thickness	⊏⊐ G32	47 / 45 / 5,5	47 / 45 / 5,5	47 / 60 / 5,5

APPROVALS

+ other approvals referred to MPS.2/SW standard version

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**MPS.2/PT/GR**	MP121GR	**MPS.2/PT/GR**	MP121GR	-	
	beige	**MPS.2/PT**	MP121	**MPS.2/PT**	MP121	**MPS.2/PT**	MP121
	blue	**MPS.2/PT (Ex)i**	MP131				
Permanent cross connection (pre-assembled)		**PM/91/2** poles	PM912	**PM/91/2** poles	PM912	**PM/91/2** poles	PM912
		PM/91/3 poles	PM913	**PM/91/3** poles	PM913	**PM/91/3** poles	PM913
		PM91/5 poles	PM915	**PM91/5** poles	PM915	**PM91/5** poles	PM915
		PM/91/10 poles	PM910	**PM/91/10** poles	PM910	**PM/91/10** poles	PM910
Switchable cross connection		**POS/91**	POS91	**POS/91**	POS91	**POS/91**	POS91
Multiple common bar	250 mm	**PMP/01**	PMP01	**PMP/01**	PMP01	**PMP/01**	PMP01
Shunting screw and sleeve		**CPM/11**	CPM11	**CPM/11**	CPM11	**CPM/11**	CPM11
Coloured partition	red, green, white	**DFU/2**	DU02..	**DFU/2**	DU02..	**DFU/2**	DU02..
Cross connection barrier	red	-		-		-	
Test plug socket		**PSD/K**	PD011	**PSD/K**	PD011	**PSD/K**	PD011
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Numbering strip		**SNZ/5**	SN001	**SNZ/5**	SN001	**SNZ/5**	SN001
Cover for cross-connection	rosso. blu o bianco	**PRP/5**	PRP05	**PRP/5**	PRP05	**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail ⊏⊐ according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊔⊔		**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

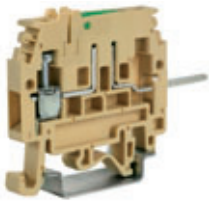
Disconnect

with UL94V-0 polyamide insulating body

- disconnect with special connections
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- "Easy Bridge" system: multi-pole cross-connection without the need of additional protection

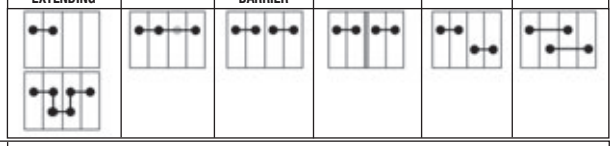
*The **/GR** tag indicates the grey colour version.*

with 1 screw and 1 solder connection, 4 x 0.8 mm



PTC jumper configurations

SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING



Terminal block	Jumper	Insulation voltage in the above configurations (V)				
MPS.4	**PTC/4**	400	400		400	
DSS.4	**PTC/4**	400	400		400	

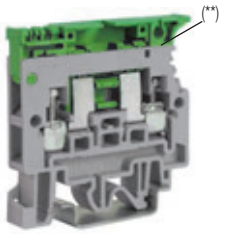
NEW **grey version**	**MPS.4/GR** Cat. No. **MP950GR**			**DSS.4/GR** Cat. No. **DS400GR**
beige version	**MPS.4** Cat. No. **MP950**	**MPS.4/VS** Cat. No. **MP930**		**DSS.4** Cat. No. **DS400**
(Ex)i version	**MPS.4/SW (Ex)i** Cat. No. **MP960**			
TECHNICAL CHARACTERISTICS				
function / type	disconnect lever	disconnect lever with 1 screw and 1 solder connect.		2 levels, with upper disconnect level
rated cross-section (mm²)	4	4		4
connecting capacity				
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6		0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6		0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16		4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 24 A / A4	400 V / 20 A / A4		400 V / 24-32 A (*) / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 24 A / 26-10 AWG / 0,5 Nm	600 V / 24 A / 26 ÷ 10 AWG / 0,5 Nm		300 V / 24-32 A / 26-10 AWG / 0,5 Nm
(Ex e) rated voltage ⊏⊐ / ⊏⊐ (V)	-	-		-
rated impulse withstand voltage / pollution degree	6 KV / 3	4 KV / 3		4 KV / 3
insulation stripping length (mm)	9	9		9
tightening torque value (test / recommended) (Nm)	0,5 / 1,2	0,5 / 1,2		0,5 / 1,2
height / width / thickness ⊏⊐ TH/35 7,5 mm	47 / 47 / 6	47 / 47 / 6		68 / 78 / 6
height / width / thickness ⊏⊐ TH/35 15 mm	55 / 47 / 6	55 / 47 / 6		75 / 78 / 6
height / width / thickness ⊏⊐ G32	51 / 47 / 6	51 / 47 / 6		72 / 78 / 6
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, UL BR	c UL us, Terna LV 27/6, Enel Distribuzione DV 27/6	other approvals referred to MPS.4 standard version	c UL us, KEMA KEUR, Lloyd's Register, UL BR
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**		**Type** / **Cat. No.**
End sections grey	**MPS.4/PT/GR** MP901GR	-		**DSS/PT/GR** DS301GR
beige	**MPS.4/PT** MP901	**MPS.4/PT** MP901		**DSS/PT** DS301
blue	**MPS.4/PT (Ex)i** MP902			
Permanent cross connection (pre-assembled) (intrinsically IPXXB protected once mounted)	**PTC/4/02** poles PTC0402	**PTC/4/02** poles PTC0402		**PTC/4/02** poles PTC0402
	PTC/4/03 poles PTC0403	**PTC/4/03** poles PTC0403		**PTC/4/03** poles PTC0403
	PTC/4/05 poles PTC0405	**PTC/4/05** poles PTC0405		**PTC/4/05** poles PTC0405
	PTC/4/10 poles PTC0410	**PTC/4/10** poles PTC0410		**PTC/4/10** poles PTC0410
	PTC/4/00 (42 poles) PTC0400	**PTC/4/00** (42 poles) PTC0400		**PTC/4/00** (42 poles) PTC0400
Rated current carrying capacity of jumper (A)	**32**	**32**		**32**
Cross-connection identification strip (100 mm) green	**PTC/SP** PTC0990	**PTC/SP** PTC0990		**PTC/SP** PTC0990
Multiple common bar 250 mm	-	-		-
Shunting screw and sleeve	-	-		-
Coloured partition red, green, white	**DFU/3** DU03..	**DFU/3** DU03..		**DFU/7** DU07..
Cross connection barrier red	**DFM/500** DF500	**DFM/500** DF500		**DFM/500** DF500
Test plug socket	-	-		-
Test plug	-	-		-
Numbering strip	**SNZ/60** SN007	**SNZ/60** SN007		**SNZ/60** SN007
Cover for cross-connection red. blue or white	-	-		-
Marking tag printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...		**CNU/8-CSC** NU...-CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005		**BTU** for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001		**BT/DIN/PO** for PR/DIN only BT001
	BT/3-BTO for PR/3 only BT003-BT007	**BT/3-BTO** for PR/3 only BT003-BT007		**BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001		**PR/DIN/AC** of steel PR001
	PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004		**PR/DIN/AS** same with slots PR004
	PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002		**PR/DIN/AL** of aluminium PR002
⊏⊐	**PR/3/AC** for PR/DIN and PR/3 PR003	**PR/3/AC** for PR/DIN and PR/3 PR003		**PR/3/AC** for PR/DIN and PR/3 PR003
	PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005		**PR/3/AS** same with slots PR005

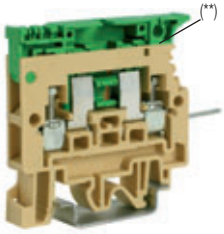
(*) values referred to the upper and lower conducting body, respectively

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- disconnect with special connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours





(**) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of adjoining terminal blocks

1 screw and 1 4 x 0.8 mm solder connection

Ø 5 x 20 mm CO/5 conducting element
- in tin plated brass to be inserted in the lever

*The **/GR** tag indicates the grey colour version.*

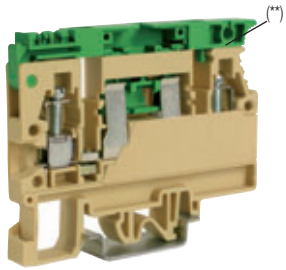
NEW grey version	SFR.4/GR Cat. No. SF900GR	
beige version	SFR.4 Cat. No. SF900	SFR.4/VS Cat. No. SF910
(Ex)i version	SFR.4 (Ex)i Cat. No. SF850	
TECHNICAL CHARACTERISTICS		
function / type	disconnect	disconnect, with solder lug
rated cross-section (mm²)	4	4
connecting capacity		
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 20 A (con CO/5) / A4	400 V / 15 A (con CO/5) / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 6,3 A / 20-12 AWG / 0,5 Nm	
(Ex e) rated voltage / (V)	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	4 KV / 3
insulation stripping length (mm)	11	11
tightening torque value (test / recommended) (Nm)	0,5 / 1,2	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	52 / 52 / 8	52 / 65 / 8
height / width / thickness TH/35 15 mm	60 / 52 / 8	60 / 65 / 8
height / width / thickness G32	56 / 52 / 8	56 / 65 / 8
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	Terna LV 27/6, Enel Distribuzione DV 27/6 + other approvals referred to standard version

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**SFR.4/PT/GR**	SF701GR	-	
	beige	**SFR.4/PT**	SF701	**SFR.4/PT**	SF701
	blue	**SFR.4/PT (Ex)i**	SF801	-	
Permanent cross connection (pre-assembled)		-		-	
Switchable cross connection		-		-	
Multiple common bar	250 mm	-		-	
Shunting screw and sleeve		-		-	
Coloured partition	red, green, white	**DFU/3**	DU03..	**DFU/3**	DU03..
Cross connection barrier	red	-		-	
Test plug socket		-		-	
Test plug		-		-	
Numbering strip		**SNZ/8**	SN004	**SNZ/8**	SN004
Manopola di manovra		-		-	
Brass conducting cylinder		**CO/5**	VL103	**CO/5**	VL103
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass conducting element to be inserted in the lever
- possibility to perform cross-connections
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types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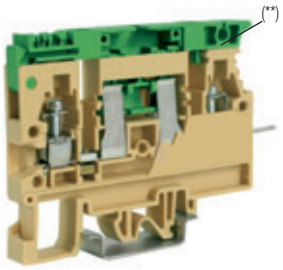
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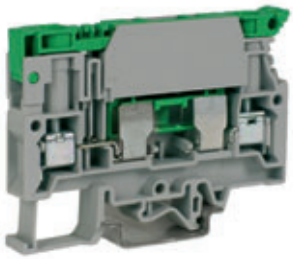


(**) Both terminal blocks are equipped with a hole suited for the sealing of the lever or for the insertion of a rod for the simultaneous opening of the lever of ad joining terminal blocks

Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams

with possibility to perform cross connections both upstream and downstream the disconnection point

Ø 5 x 20 mm CO/5 conducting element
- in tin plated brass to be inserted in the lever

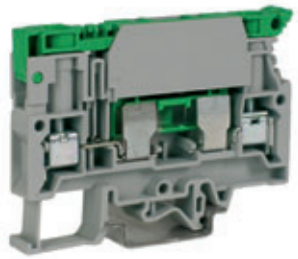
*The **/GR** tag indicates the grey colour version.*

NEW				
grey version				**SFR.6/M/GR** Cat. No. **SR500GR**
beige version		**SFO.4** Cat. No. **SF400**	**SFO.4/VS** Cat. No. **SF410**	**SFR.6/M** Cat. No. **SR500**
(Ex)i version		**SFO.4 (Ex)i** Cat. No. **SF600**		**SFR.6/M (Ex)i** Cat. No. **SR600**
TECHNICAL CHARACTERISTICS				
function / type		disconnect	disconnect with solder lug	disconnect
rated cross-section	(mm²)	4	4	6
connecting capacity				
flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 10
rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 10
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	4 - WP40/16	4 - WP60/20
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 16 A (with CO/5) / A4	800 V / 15 A (with CO/5) / A4	630 V / 19 A (with CO/5) / A5
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 6,3 A / 20-12 AWG / 0,79 Nm		600 V / 6,3 A / 20-8 AWG / 1,4 Nm
(Ex e) rated voltage ⊏⊐ / ⊏⊐	(V)	-	-	-
rated impulse withstand voltage / pollution degree		6 KV / 3	4 KV / 3	6 KV / 3
insulation stripping length	(mm)	11	11	11
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2	0,5 / 1,2	0,8 / 1,4
height / width / thickness	⊏⊐ TH/35 7,5 mm	59 / 73 / 8	59 / 85 / 8	59 / 79 / 10
height / width / thickness	⊏⊐ TH/35 15 mm	67 / 73 / 8	67 / 85 / 8	67 / 79 / 10
height / width / thickness	⊏⊐ G32	62 / 73 / 8	63 / 85 / 8	63 / 79 / 10
APPROVALS			+ other approvals referred to SFR.4 standard version	
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	-	-	**SFR.6/PT/GR** SR301GR
	beige	**SFO/PT** SF401	**SFO/PT** SF401	**SFR.6/PT** SR301
	blue	**SFO/PT (Ex)i** SF601	-	**SFR.6/PT (Ex)i** SR401
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)		**PM/90/2** poles PM902	**PM/90/2** poles PM902	**PTC/20/02** poles (*) PTC2002
		PM/90/3 poles PM903	**PM/90/3** poles PM903	**PTC/20/03** poles PTC2003
		PM/90/5 poles PM905	**PM/90/5** poles PM905	**PTC/20/05** poles PTC2005
		PM/90/10 poles PM900	**PM/90/10** poles PM900	**PTC/20/10** poles PTC2010
				PTC/20/00 (25 poles) PTC2000
Rated current carrying capacity of jumper	(A)	**24**	**25**	**25**
Cross-connection identification strip (100 mm)	green	-	-	-
Multiple common bar	250 mm	**PMP/20** PMP20	**PMP/20** PMP20	-
Shunting screw and sleeve		**CPM/20** CPM20	**CPM/20** CPM20	-
Coloured partition	red, green, white	**DFU/7** DU07..	**DFU/7** DU07..	**DFU/7** DU07..
Cross connection barrier	red	-	-	**DFM/300** DF300
Test plug socket		**PSD/J** PD014	**PSD/J** PD014	-
Test plug		**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Numbering strip		**SNZ/8** SN004	**SNZ/8** SN004	**SNZ/10** SN010
MSM handle		-	-	-
Brass conducting cylinder		**CO/5** VL103	**CO/5** VL103	**CO/5** VL103
Marking tag	printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
		BT/DIN/PO for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001
		BT/3-BTO for PR/3 only BT003-BT007	**BT/3-BTO** for PR/3 only BT003-BT007	**BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001
		PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004	**PR/DIN/AS** same with slots PR004
		PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002	**PR/DIN/AL** of aluminium PR002
	⊏⊐	**PR/3/AC** for PR/DIN and PR/3 PR003	**PR/3/AC** for PR/DIN and PR/3 PR003	**PR/3/AC** for PR/DIN and PR/3 PR003
		PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

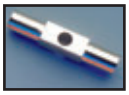
Disconnect

with UL94V-0 polyamide insulating body

- disconnect by means of a brass cylinder to be inserted in the lever
- slide link disconnect
- possibility to perform cross-connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

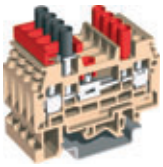


Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams



Ø 6.3 x 32 mm SFC/CO conducting element - in tin plated brass to be inserted in the lever

SCB.4 terminal blocks with short-circuit plates and test plugs



*The **/GR** tag indicates the grey colour version.*

NEW grey version	SFR.6/GR Cat. No. SR300GR		SCB.4/GR Cat. No. SB300GR
beige version	SFR.6 Cat. No. SR300	FPC.10 Cat. No. FP100	SCB.4 Cat. No. SB300
(Ex)i version	SFR.6 (Ex)i Cat. No. SR400		
TECHNICAL CHARACTERISTICS			
function / type	disconnect	disconnect	disconnect by slide-link
rated cross-section (mm²)	6	10	4
connecting capacity			
flexible (mm²)	0,2 ÷ 10	1,5 ÷ 16	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 10	1,5 ÷ 16	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	10 - WP100/21	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V / 33 A (with SFC/CO) / A5	800 V / 20 A (with SFC/CO) / B6	800 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 10 A / 20-8 AWG / 1,4 Nm	600 V / 15 A / 20-6 AWG / 0,79 Nm	600 V / 20 A / 20-12 AWG / 4,4 lb.in.
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	8 KV / 3
insulation stripping length (mm)	11	17	9
tightening torque value (test / recommended) (Nm)	0,8 / 1,4	1,2 / 1,9	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	59 / 79 / 10	70 / 63 / 12	44 / 58 / 6,5
height / width / thickness TH/35 15 mm	67 / 79 / 10	74 / 63 / 12	52 / 58 / 6,5
height / width / thickness G32	63 / 79 / 10	78 / 63 / 12	48 / 58 / 6,5
APPROVALS	c UL us, KEMA KEUR	Terna LV 27/8, Enel Distribuzione DV 27/8, Lloyd's Register, KEMA KEUR, UL BR	c UL us, KEMA KEUR, UL BR

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**SFR.6/PT/GR**	SR301GR	-		**SCB/4/PT/GR**	SB301GR
	beige	**SFR.6/PT**	SR301			**SCB/4/PT**	SB301
	blue	**SFR.6/PT (Ex)i**	SR401				
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)		**PTC/20/02** poles (*)	PTC2002	-		**PM/40/2** poles	PM402
		PTC/20/03 poles	PTC2003			**PM/40/3** poles	PM403
		PTC/20/05 poles	PTC2005			**PM/40/5** poles	PM405
		PTC/20/10 poles	PTC2010			**PM/40/10** poles	PM410
		PTC/20/00 (25 poles)	PTC2000				
Rated current carrying capacity of jumper	(A)	**25**		-		**32**	
Switchable cross connection		-		-		**POS/12**	POS12
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	-		-	
Multiple common bar	250 mm	-		-		**PMP/42**	PMP42
Shunting screw and sleeve		-		-		**CPM/12**	CPM12
Coloured partition	red, green, white	**DFU/7**	DU07..	**DFU/6**	DU06..	**DFU/3**	DU03..
Cross connection barrier	red	**DFM/300**	DF300	-		-	
Test plug socket		-		-		**PSD/A**	PD001
Test plug		**SDD/1**	DD001	**SDD/2**	DD002	**SDD/6-SDD/1**	DD006-DD001
Short-circuit plate	between 2 adjoining terminal blocks	-		-		**SCB/4/PO/2**	SB303
	between 4 adjoining terminal blocks					**SCB/4/PO/4**	SB304
Numbering strip		**SNZ/10**	SN010	-		**SNZ/65**	SN006
Brass conducting cylinder				**SFC/CO**	FC102	-	
Screw and sleeve for short circui plates		-		-		**SCB/4/CPM**	SB305
MSM handle		-		**MSM** (6 elements)	FC103	-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

Terminal blocks for test and measurement circuits

with UL94V-0 polyamide insulating body

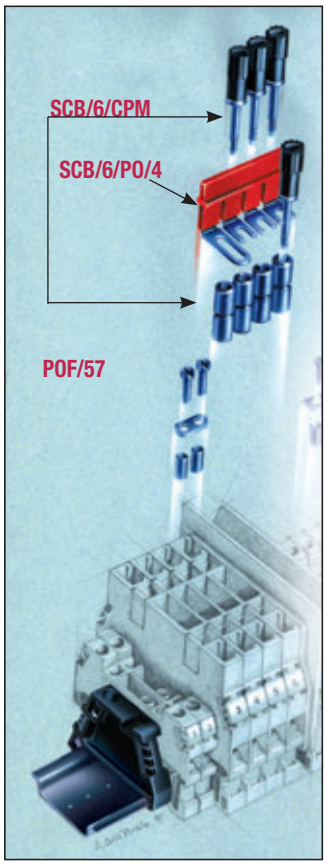
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types

In SCB.6 type terminal block, the use of special cross-connections, formed by

SCB/6/PO/2 (between 2 adjoining terminal blocks)

or **SCB/6/PO/4** (between 4 adjoining terminal blocks)

and by the relevant **SCB/6/CPM** shunting screws



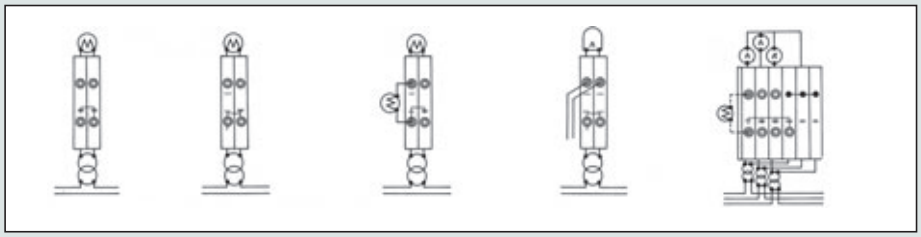
allow the simultaneous earth connection of the current transformers connected to the terminal blocks themselves, guaranteeing the correct operational sequence. In fact such cross connections, in opened position, avoid the translation on the slide links, already connected in an accident prevention position from the outside; they do not require the insertion of further partitions to separate them from other adjoining cross-connections or terminal blocks, due to the special shape of the insulating body of the terminal block itself.

SCB.6 type terminal blocks have also the possibility to house, upstream and downstream the disconnection, sockets for test plugs, suitable for the withdraw of signals.

In particular the shunts can take place:

- on **SCB/CPM** shunting screws of the short-circuit plates
- on **PSD/P** socket to be screwed directly into the conducting body of the terminal block, in order to perform the shunting function.

The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy spotting of the slide-link itself.



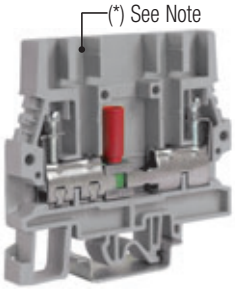
Normal operation	CT short-circuit	Test on measuring instrument	Protection instrument test	Three phase CT test

Terminal blocks for test and measurement circuits

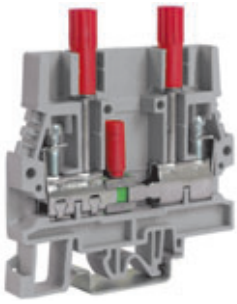
with UL94V-0 polyamide insulating body

- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

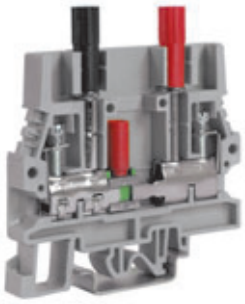
*The **/GR** tag indicates the grey colour version.*



(*) For the simple cross-connection between adjoining terminal blocks the multiple common bar shall be used together with cross-connection screw and sleeves. The interposing barrier located in the insulating body of the terminal block shall be removed with the aid of a cutter



Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with **test plug socket** downstream and upstream the slide link, conforming to ENEL LV27/3 specification



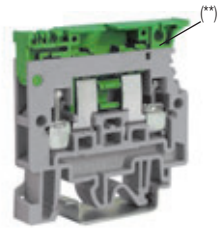
Disconnect test terminal block that allows longitudinal and transversal disconnection. Configuration provided with **test plug socket** upstream and **a short circuit sleeve downstream the slide link** (for short circuit plates type SCB/6/PO/2 or SCB/6/PO/4, supplied separately), conforming to ENEL LV27/2 specification

NEW	**grey version**	**SCB.6/GR** Cat. No. **SB200GR**	**SCB.6/DD/GR** Cat. No. **SB210GR**	**SCB.6/CD/GR** Cat. No. **SB220GR**
	beige version	**SCB.6** Cat. No. **SB200**	**SCB.6/DD** Cat. No. **SB210**	**SCB.6/CD** Cat. No. **SB220**
	(Ex)i version			
	TECHNICAL CHARACTERISTICS			
function / type		disconnect by slide-link	disconnect by slide-link special configuration for voltmetric circuits	disconnect by slide-link special configuration for amperometric circuits
rated cross-section	(mm²)	6	6	6
connecting capacity				
flexible	(mm²)	0,5 ÷ 10	0,5 ÷ 10	0,5 ÷ 10
rigid	(mm²)	0,5 ÷ 10	0,5 ÷ 10	0,5 ÷ 10
max. flexible with ferrule (mm²)-ferrule type		6 - WP60/20	6 - WP60/20	6 - WP60/20
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 41 A / A5	800 V / 41 A / A5	800 V / 41 A / A5
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 47 A / 20-8 AWG / 13,3 lb.in.	-	-
(Ex e) rated voltage ⊏⊐/ ⊏⊐	(V)	-	-	-
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length	(mm)	12	12	12
tightening torque value (test / recommended)	(Nm)	0,8 / 1,4	0,8 / 1,4	0,8 / 1,4
height / width / thickness	⊏⊐ TH/35 7,5 mm	65 / 69 / 8	76 / 69 / 8	77 / 69 / 8
height / width / thickness	⊏⊐ TH/35 15 mm	73 / 69 / 8	84 / 69 / 8	85 / 69 / 8
height / width / thickness	⊏⊐ G32	68 / 69 / 8	79 / 69 / 8	80 / 69 / 8
	APPROVALS	Terna LV 27/4, Enel Distribuzione DV 27/4, c UL us, KEMA KEUR, UL BR	Terna LV 27/3, Enel Distribuzione DV 27/3, UL BR Other approvals referring to terminal block SCB.6	Terna LV 27/2, Enel Distribuzione DV 27/2, UL BR Other approvals referring to terminal block SCB.6
	ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	**SCB/6/PT/GR** SB201GR	**SCB/6/PT/GR** SB201GR	**SCB/6/PT/GR** SB201GR
	beige	**SCB/6/PT** SB201	**SCB/6/PT** SB201	**SCB/6/PT** SB201
	blue	-	-	-
Permanent cross connection (pre-assembled) (*) intrinsically IPXXB protected once mounted)		**POF/57** POF57	**POF/57** POF57	**POF/57** POF57
Switchable cross connection		-	-	-
Multiple common bar	250 mm	**PMP/13** PMP13	**PMP/13** PMP13	**PMP/13** PMP13
Shunting screw and sleeve		**CPM/57** CPM57	**CPM/57** CPM57	**CPM/57** CPM57
Coloured partition	red, green, white	**DFU/6** DU06..	**DFU/6** DU06..	**DFU/6** DU06..
Cross connection barrier	red	-	-	-
Test plug socket		**PSD/P** PD015	-	-
Test plug		**SDD/2** DD002	**SDD/2** DD002	**SDD/2** DD002
Numbering strip		**SNZ/8** SN004	**SNZ/8** SN004	**SNZ/8** SN004
Cover for cross-connection		-	-	-
Short-circuit plate	between 2 adjoining terminal blocks	**SCB/6/PO/2** SB203	**SCB/6/PO/2** SB203	**SCB/6/PO/2** SB203
	between 4 adjoining terminal blocks	**SCB/6/PO/4** SB204	**SCB/6/PO/4** SB204	**SCB/6/PO/4** SB204
Brass conducting cylinder		**SFC/CO** FC102	**SFC/CO** FC102	-
Screw and sleeve		**SCB/6/CPM** SB205	**SCB/6/CPM** SB205	-
Screw and sleeve with red socket		**SCB/6/CPM/R** SB205R	**SCB/6/CPM/R** SB205R	**SCB/6/CPM/R** SB205R
Marking tag	printed or blank	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...	**CNU/8-CSC** NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
		BT/DIN/PO for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001
		BT/3-BTO for PR/3 only BT003-BT007	**BT/3-BTO** for PR/3 only BT003-BT007	**BT/3-BTO** for PR/3 only BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001
		PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004	**PR/DIN/AS** same with slots PR004
		PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002	**PR/DIN/AL** of aluminium PR002
	⊏⊐	**PR/3/AC** for PR/DIN and PR/3 PR003	**PR/3/AC** for PR/DIN and PR/3 PR003	**PR/3/AC** for PR/DIN and PR/3 PR003
		PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

Diode-holders

with UL94V-0 polyamide insulating body

- for 1 A diodes (1N4001 ÷ 1N4007 types)
- for 3 A diodes (BY 255 type)
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours



(**) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

*The **/GR** tag indicates the grey colour version.*

(*) value referred to the insulation characteristics of the terminal block

NEW grey version	SFR.4/GR Cat. No. SF900GR
beige version	SFR.4 Cat. No. SF900
(Ex)i version	SFR.4 (Ex)i Cat. No. SF850
TECHNICAL CHARACTERISTICS	
function / type	for 1 A or 3 A diodes
rated cross-section (mm²)	4
connecting capacity	
flexible (mm²)	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 1 (3) A / A4
rated voltage / rated current / AWG / tightening torque value UL	-
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	6 KV (*) / 3
insulation stripping length (mm)	11
tightening torque value (test / recommended) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	52 / 52 / 8
height / width / thickness TH/35 15 mm	60 / 52 / 8
height / width / thickness G32	56 / 52 / 8

The SFR/I1A or SFR/3A inserts are supplied as an accessory and are to be mounted in the lever of SFR.4 terminal block, in order to transform it in diode-holder

1A

SFR/I1A Cat. No. SF992
insert **provided** with 1 A diode and yellow label bearing the diode symbol, to be applied on the diode-holder lever respecting the sense of current flow

3A

SFR/I3A Cat. No. SF993
insert **provided** with 3 A diode and yellow label bearing the diode symbol, to be applied on the diode-holder lever respecting the sense of current flow

APPROVALS

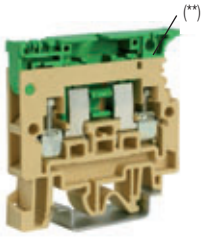
Approvals referring to standard version (see page 32)

ACCESSORIES		Type	Cat. No.
End sections	grey	**SFR/PT/GR**	SF701GR
	beige	**SFR/PT**	SF701
	blue	**SFR/PT (Ex)i**	SF801
Permanent cross connection		-	
Switchable cross connection		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/3**	DU03..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		-	
Numbering strip		**SNZ/8**	SN004
Miniature fuse		-	
Conducting element		-	
Cartridge / insert with 1A diode		**SFR/I1A** (with 1 A diode)	SF992
Cartridge / insert with 3A diode		**SFR/I3A** (with 3 A diode)	SF993
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005

Diode-holders

with UL94V-0 polyamide insulating body

- with 1 A / 3 A diodes
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types

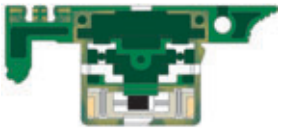


(**) hole suited for the sealing of the lever or for the insertion of a rod, in order to perform simultaneous opening of adjoining levers

The terminal block is supplied with the following types of diodes mounted:
- 1 A (1N4007 type) SFR.4/D1 A
- 3 A (BY 255 type) SFR.4/D3 A

(*) value referred to the insulation characteristics of the terminal block

standard version		SFR.4/D1A Cat. No. SF901	SFR.4/D3A Cat. No. SF903
TECHNICAL CHARACTERISTICS			
function / type		with 1 A or 3 A diodes	
rated cross-section	(mm²)	4	
connecting capacity			
flexible	(mm²)	0,2 ÷ 6	
rigid	(mm²)	0,2 ÷ 6	
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V (*) / 1 (3) A / A4	
rated voltage / rated current / AWG / tightening torque value	UL	-	
(Ex e) rated voltage /	(V)	-	
rated impulse withstand voltage / pollution degree		6 KV (*) / 3	
insulation stripping length	(mm)	11	
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2	
height / width / thickness	TH/35 7,5 mm	52 / 52 / 8	
height / width / thickness	TH/35 15 mm	60 / 52 / 8	
height / width / thickness	G32	56 / 52 / 8	



1A SFR.4/D1A

SFR.4/D lever

3A SFR.4/D3A

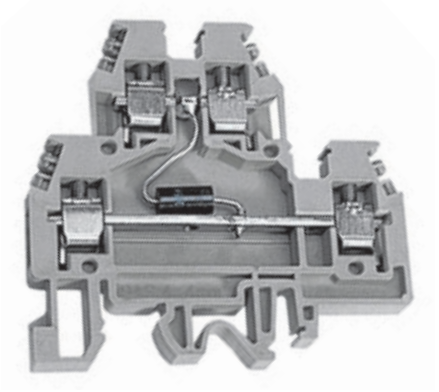
APPROVALS

Approvals referring to standard version (see page 32)

ACCESSORIES		Type	Cat. No.
End sections	beige	**SFR.4/PT**	SF701
	blue	-	
Permanent cross connection		-	
Switchable cross connection		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/3**	DU03..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		-	
Numbering strip		**SNZ/8**	SN004
Miniature fuse		**F5**	FN...
Conducting element		-	
Cartridge / insert with 1 A diode		**SFR/I1A** (with 1 A diode)	SF992
Cartridge / insert with 3 A diode		**SFR/I3A** (with 3 A diode)	SF993
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail		**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.		**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005

With electronic components

with UL94V-0 polyamide insulating body



- with cross-connection possibility
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675. 1989
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours

DAS 4/D...type terminal blocks, with suppresser diodes inserted as in **diagram 3**, restrict voltage peaks due to surges, electrostatic discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test) standards.
The suppresser diodes have a response time (< 1 ns) which is much lower than that of the varistors (approximately 25 ns) and a lower and more accurate response voltage, although compared to varistors they withstand lower discharge currents.
The high precision of the trip voltage and the high speed make them suitable for protecting I/O signal inputs of industrial PLC's, DCS's and PCs against discharge current and voltage interference below 500 A pulse 8/20 ms. This type of interference is usually caused by the normal operation of the actual systems due to switching of high inductive loads, dispersed currents, faults etc.
The range of models available provides a choice between rated voltages suitable for protecting signals with standard voltages of 5 V dc, 12 V dc, 24 V dc and 60 V dc.
The **DAS 4/D...**, connected as shown in **diagram 4**, provides effective protection against differential mode interference for inputs and outputs of industrial PLCs, DCSs and PCs, signal conditioners and sensors, and also for stabilised continuous voltage power supply units of electronic equipment in general.
The **DAS 4/D...**, does not have a signal wiring direction to observe and the positive and negative polarity connection can be carried out at both the upper and lower level.

Differential mode interference (diagram 5): generates a strong difference in potential between the two positive and negative signal conductors of the pair or power supply unit and, being applied directly to the input/output circuits of the equipment, always causes a fault in the same.

Differential mode interference (diagram 6): generates a strong difference in potential between the two conductors of a signal or power supply unit and the reference earth. It is less destructive than differential mode interference.

Caution: the installation of devices for protection against power surges with varistors, diodes and other components between signal and/or power supply conductors and the protection earth reduces the isolation voltage to approximately the value V of breakdown of the discharger used. To carry out isolation tests on the equipment disconnect the dischargers (standard CEI EN60950).

NEW grey version		DAS.4/6/D.../GR	
beige version		**DAS.4/6/D...**	
ACCESSORIES		**Type**	**Cat. No.**
End sections	grey	**DAS/PT/GR**	DS101GR
	beige	**DAS/PT**	DS101
	blue	-	
Permanent cross connection (pre-assembled)		**PM/41/2** poles	PM412
		PM/51/3 poles	PM513
		PM/51/5 poles	PM515
		PM/51/10 poles	PM510
Switchable cross connection		**POS/43**	POS43
Multiple common bar	250 mm	**PMP/58**	PMP58
Shunting screw and sleeve		**CPM/01**	CPM01
Coloured partition	red, green, white	**DFU/7**	DU07..
Cross connection barrier	red	-	
Test plug socket		**PSD/A**	PD001
Test plug		**SDD/1**	DD001
Modular test plug		-	
End section for modular test plug		-	
Numbering strip		**SNZ/60**	SN007
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connection	red, blue or white	**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005

Note for wiring: wiring of the power surge protection devices greatly influences their actual efficacy and we recommend following the instructions below:
– the protection device must be placed as close as possible to the equipment to be protected;
– the connection wires must be as short and straight as possible, interwoven with each other and with the largest possible cross section;
– the earth conductors between common mode dischargers and the equipotential busbar must be as short as possible and with the largest possible cross section and their path must not be parallel to other conductors. The earth of the protected equipment must be connected to the same earth of its discharger and from there to the general protection earthing.

Diagram 3

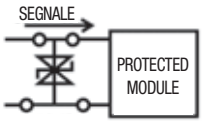


Diagram 4

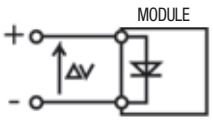


Diagram 5

Differential mode interference.
The potential difference is applied between positive and negative poles of the power supply signal.

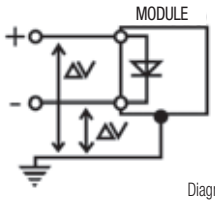


Diagram 6

Common mode interference.
The potential difference is applied between the poles of the signal/power supply unit and the earth.

With electronic components

with UL94V-0 polyamide insulating body

- with cross-connection possibility on lower level
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- 2-level terminal block with bi-directional suppresser diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 KV, I (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours

(*) values referred to the characteristics of the connection
*The **/GR** tag indicates the grey colour version.*

NEW grey version	DAS.4/D.../GR
beige version	**DAS.4/D...**
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	2 levels with suppresser diode
rated cross-section (mm²)	4
connecting capacity	
flexible (mm²)	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V / 32 A / A4 (*)
rated voltage / rated current / AWG / tightening torque value UL	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	9
tightening torque value (test / recommended) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	62 / 64 / 6
height / width / thickness TH/35 15 mm	70 / 64 / 6
height / width / thickness G32	66 / 64 / 6

APPROVALS

c UL us

Altre approvazioni riferite alla versione base DAS.4

TECHNICAL DATA	DAS.4/D5/GR Cat. No. DSD005GR DAS.4/D5 Cat. No. DSD005	DAS.4/D12/GR Cat. No. DSD012GR DAS.4/D12 Cat. No. DSD012
Rated voltage	5	12
Vdc max. (Vcc)	6,45	15,2
Vac max.	-	-
Breakdown voltage (1 mA)	6,8 V ± 5%	16 V ± 5%
Max clamping voltage (V)	11	23
Response time	< 1 ns	< 1 ns
Isc pulse 8/20 µs (A)	750	350
C (1 kHz)	5 nF	3 nF

TECHNICAL DATA	DAS.4/D24/GR Cat. No. DSD024GR DAS.4/D24 Cat. No. DSD024	DAS.4/D60/GR Cat. No. DSD060GR DAS.4/D60 Cat. No. DSD060
Rated voltage	24	60
Vdc max. (Vcc)	28,5	77,9
Vac max.	-	-
Breakdown voltage (1 mA)	30 V ± 5%	82 V ± 5%
Max clamping voltage (V)	41	113
Response time	< 1 ns	< 1 ns
Isc pulse 8/20 µs (A)	160	70
C (1 kHz)	1,5 nF	0,6 nF

With electronic components

with UL94V-0 polyamide insulating body

- for overlapped circuits with varistor
- cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 KV, II (acc. to DIN VDE 0110.1)
- available in grey RAL 7042 and beige RAL 1001 colours

DAS.4V... type terminal blocks with, varistor inserted as in **diagram 1**, restrict voltage peaks due to surges, indirect atmospheric discharges and inductive load switching and enable the equipment to pass the tests on immunity to the electromagnetic interference defined by the standards EN 61000-4-2 (electrostatic discharge), EN 61000-4-4 (fast transient/burst) and EN 61000-4-5 (surge test).

The varistors have a response time (20-25 ns) which is longer than that of the suppresser diodes (< 1 ns) and a higher response voltage, although they withstand much higher discharge currents. The high discharge current makes them suitable for uses with strong transients, with currents up to 4500 A pulse 8/20 ms.

The range of models available provides a choice between rated voltages suitable for protecting both signals and power supply units with standard voltages of 24 V dc and 48 V dc or for power supply voltages of 120 V ac and 230 V ac.

The **DAS.4V...**, connected as shown in diagram 2, provides effective protection against differential mode interference for inputs and outputs of industrial PLC's, DCS's and PC's, signal conditioners and sensors, and also for power supply units of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to observe and the positive and negative polarity connection is carried out at both the upper and lower level.

*The **/GR** tag indicates the grey colour version.*

NEW	grey version	DAS.4/V.../GR
	beige version	DAS.4/V...
	(Ex)i version	
	TECHNICAL CHARACTERISTICS	
function / type		2 levels with varistor
rated cross-section	(mm²)	4
connecting capacity		
flexible	(mm²)	0,2 ÷ 6
rigid	(mm²)	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V / 32 A / A4 (*)
rated voltage / rated current / AWG / tightening torque value	UL	-
rated impulse withstand voltage / pollution degree		8 KV / 3
insulation stripping length	(mm)	9
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2
height / width / thickness	TH/35 7,5 mm	62 / 64 / 6
height / width / thickness	TH/35 15 mm	70 / 64 / 6
height / width / thickness	G32	66 / 64 / 6

APPROVALS

c UL us

Other approvals referring to DAS.4 standard version

Diagram 1

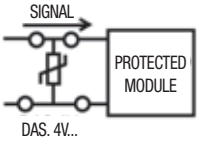


Diagram 2

TECHNICAL DATA	DAS.4/V24/GR Cat. No. DSV024GR DAS.4/V24 Cat. No. DSV024	DAS.4/V48/GR Cat. No. DSV048GR DAS.4/V48 Cat. No. DSV048	DAS.4/V120/GR Cat. No. DSV120GR DAS.4/V120 Cat. No. DSV120	DAS.4/V230/GR Cat. No. DSV230GR DAS.4/V230 Cat. No. DSV230
Rated voltage	24	48	120	230
Vdc max. (Vcc)	31	85	180	350
Vac max.	25 Vac	60 Vac	140 Vac	275 Vac
Breakdown voltage (1 mA)	39 V ± 10%	100 V ± 10%	220 V ± 10%	430 V ± 10%
Max clamping voltage (V)	77 V	165 V	360 V	710 V
Response time	< 25 ns	< 25 ns	< 25 ns	< 25 ns
Isc pulse 8/20 µs (A)	500	2500	2500	2500
C (1 kHz)	4600 pF	1650 pF	610 pF	320 pF

With electronic components

with UL94V-0 polyamide insulating body

- for overlapped circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS. 4/B; other versions only on lower level)
- available in grey RAL 7042 and beige RAL 1001 colours

DAS.4/C terminal block

*The **/GR** tag indicates the grey colour version.*

NEW grey version	DAS.4/.../GR Cat. No. DS...GR
beige version	**DAS.4/... Cat. No. DS...**
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	2-level component-holder
rated cross-section (mm²)	4
connecting capacity	
flexible (mm²)	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V (*) / - / A4
rated voltage / rated current / AWG / tightening torque value UL	-
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	9
tightening torque value (test / recommended) (Nm)	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	62 / 64 / 6
height / width / thickness TH/35 15 mm	70 / 64 / 6
height / width / thickness G32	66 / 64 / 6

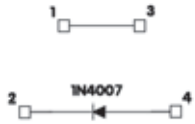
APPROVALS

Approval referring to DAS.4 standard version

ACCESSORIES		Type	Cat. No.
End sections	grey	**DAS/PT/GR**	DS101GR
	beige	**DAS/PT**	DS101
	blue	-	
Permanent cross connection (pre-assembled)		**PM/41/2** poles	PM412
		PM/51/3 poles	PM513
		PM/51/5 poles	PM515
		PM/51/10 poles	PM510
Switchable cross connection		**POS/43**	POS43
Multiple common bar	250 mm	**PMP/58**	PMP58
Shunting screw and sleeve		**CPM/01**	CPM01
Coloured partition	red, green, white	**DFU/7**	DU07..
Cross connection barrier	red	-	
Test plug socket		**PSD/A**	PD001
Test plug		**SDD/1**	DD001
Modular test plug		-	
End section for modular test plug		-	
Numbering strip		**SNZ/60**	SN007
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connection	red, blue o white	**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005

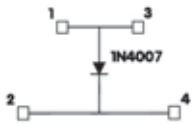
DAS.4/A/GR - DAS.4/A
Component: 1 diode
Function: protection against reversal of power supply polarity

Cat. No. DS111GR - DS111



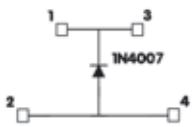
DAS.4/B/GR - DAS.4/B
Component: 1 diode
Function: protection against reversal of power supply polarity

Cat. No. DS112GR - DS112



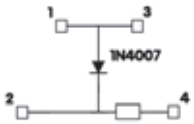
DAS.4/C/GR - DAS.4/C
Component: 1 diode
Funzione: block of extra current generated by solenoids as coils, relays, valves, supplied in d.c.

Cat. No. DS113GR - DS113



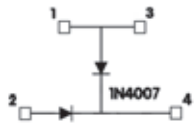
DAS.4/D/GR - DAS.4/D
Component: 1 diode
Funzione: block of extra current generated by solenoids as coils, relays, valves, supplied in d.c.

Cat. No. DS114GR - DS114



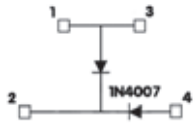
DAS.4/E/GR - DAS.4/E
Components: 1 diode + LED resistor
Function: for LAMP/LED test circuits at 24 V
Features: power supply 20÷30 Vd.c.

Cat. No. DS115GR - DS115



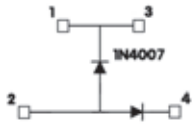
DAS.4/I/GR - DAS.4/I
Components: 2 diodes
Function: for LAMP/LED test circuits

Cat. No. DS119GR - DS119



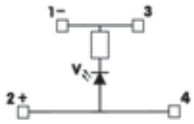
DAS.4/L/GR - DAS.4/L
Components: 2 diodes
Function: for LAMP/LED test circuits

Cat. No. DS130GR - DS130



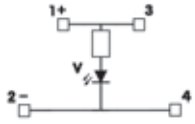
DAS.4/DD/GR - DAS.4/DD
Components: 2 diodes
Function: for LAMP/LED test circuits

Cat. No. DS120GR - DS120



DAS.4/T/GR - DAS.4/T
Components: 1 resistor + 1 greenLED
Function: voltage indicator
Features: power supply 20÷30 Vd.c.

Cat. No. DS128GR - DS128



DAS.4/U/GR - DAS.4/U
Components: 1 resistor + 1 greenLED
Function: voltage indicator
Features: power supply 20÷30 Vd.c.

Cat. No. DS129GR - DS129

(*) The voltage and current ratings given for the various versions are based on the various type of components and to their connections.

With special connections

with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in beige RAL 1001 colour

6.3 x 0.8 mm
flat push-on tab connections
acc. to standard IEC 60760

6.3 x 0.8 mm
flat push-on tab connections
acc. to standard IEC 60760

with 1.6 x 0.8 mm lug
for wrapped wire connections

AFO.2/2+2/TPM Cat. No. AF420
with 2,4 x 0.8 mm lug for wrapped wire connections

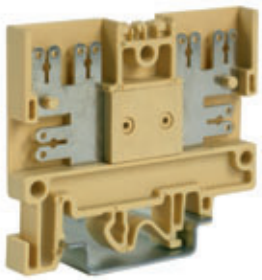
beige version	AFO.2/1+1 Cat. No. AF500	AFO.2/2+2 Cat. No. AF400	AFO.2/2+2/TP Cat. No. AF410
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through with push-on tab connections - separate levels	feed-through with push-on tab connections	feed-through with push-on tab connections and lug
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	up to 2,5	up to 2,5	up to 2,5
rigid (mm²)	-	-	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 20 A / -	630 V / 20 A / -	320 V / 10 A / -
rated voltage / rated current / AWG / tightening torque value UL	300 V / 15 A / -	600 V / 15 A / -	-
(Ex e) rated voltage ⊏⊐ / ⊓⊔ (V)	-	-	-
rated impulse withstand voltage / pollution degree	4 KV / 3	6 KV / 3	4 KV / 3
insulation stripping length (mm)	-	-	-
tightening torque value (test / recommended) (Nm)	-	-	-
height / width / thickness ⊓⊔ TH/35 7,5 mm	49 / 44 / 6,5	49 / 44 / 6,5	49 / 59 / 6,5
height / width / thickness ⊓ TH/35 15 mm	57 / 44 / 6,5	57 / 44 / 6,5	57 / 59 / 6,5
height / width / thickness ⊏⊐ G32	52 / 44 / 6,5	52 / 44 / 6,5	52 / 59 / 6,5
APPROVALS	c UL us, KEMA KEUR, UL BR	c UL us, KEMA KEUR, UL BR	Approvals referring to terminal block type AFO.2/2+2

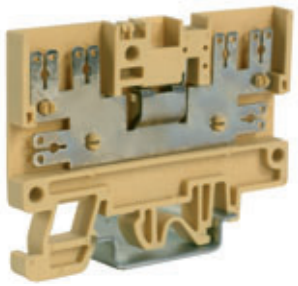
ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey beige blue	**AFO/PT**	AF201	**AFO/PT**	AF201	**AFO/PT**	AF201
Permanent cross connection		-		-		-	
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFU/1**	DU01..	**DFU/1**	DU01..	**DFU/1**	DU01..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		-		-		-	
Numbering strip		**SNZ/65**	SN006	**SNZ/65**	SN006	**SNZ/65**	SN006
Cover for cross-connection		-		-		-	
Warning plate		-		-		-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
	⊓⊔	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

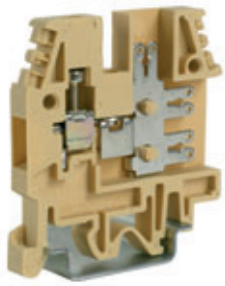
With special connections

with UL94V-0 polyamide insulating body

- with flat push-on tab connections
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in grey RAL 7042 and beige RAL 1001 colours (where indicated)







Cross-connection possibility

6.3 x 0.8 mm, or 2.8 x 0.8 mm, flat push-on tab connections acc. to standard IEC 60760

6.3 x 0.8 mm, or 2.8 x 0.8 mm, flat push-on tab connections acc. to standard IEC 60760

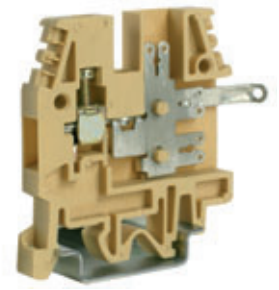
*The **/GR** tag indicates the grey colour version.*

grey version		**FDP.2/GR** Cat. No. **FD100GR**	
beige version	**PDF.2** Cat. No. **PF100**	**FDP.2** Cat. No. **FD100**	**CVF.4** Cat. No. **CV100**
(Ex)i version			**CVF.4 (Ex)i** Cat. No. **CV200**
TECHNICAL CHARACTERISTICS			
function / type	feed-through with push-on tab connections	feed-through with push-on tab connections	feed-through, 1 screw + 3-push-on connections
rated cross-section (mm²)	2,5	2,5	4
connecting capacity			
flexible (mm²)	up to 2,5	up to 2,5	0,2 ÷ 6
rigid (mm²)	-	-	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type			4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V / 20 A / -	800 V / 20 A / -	800 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 16 A / 20-10 AWG	600 V / 16 A / 20-10 AWG	600 V / 20 A / 20-12 AWG / 0,5 Nm
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	-	-	11
tightening torque value (test / recommended) (Nm)	-	-	-
height / width / thickness TH/35 7,5 mm	50 / 57 / 6,5	49 / 65,5 / 6,5	52 / 48,5 / 6
height / width / thickness TH/35 15 mm	58 / 57 / 6,5	57 / 65,5 / 6,5	60 / 48,5 / 6
height / width / thickness G32	54 / 57 / 6,5	53 / 65,5 / 6,5	56 / 48,5 / 6
APPROVALS			

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey			**FDP/PT/GR**	FD101GR		
	beige	**PDF/PT**	PF101	**FDP/PT**	FD101	**CVF/PT**	CV101
	blue					**CVF/PT (Ex)i**	CV201
Permanent cross connection (pre-assembled)		-		**PH/2,5-4**	PH100	**PM/40/2** poles	PM402
						PM/58/3 poles	PM583
						PM/58/5 poles	PM585
						PM/58/10 poles	PM580
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		**PMP/58**	PMP58
Shunting screw and sleeve		-		-		**CPM/12**i	CPM12
Coloured partition	red, green, white	**DFU/5**	DU05..	**DFU/5**	DU05..	**DFU/3**	DU03..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		**PSD/A**	PD001
Test plug		-		**SDD/1**	DD001	**SDD/1**	DD001
Numbering strip		**SNZ/65**	SN006	**SNZ/60**	SN007	**SNZ/60**	SN007
Cover for cross-connection		-		-		-	
Warning plate		-		-		-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

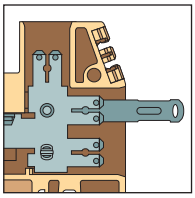
With special connections

with UL94V-0 polyamide insulating body



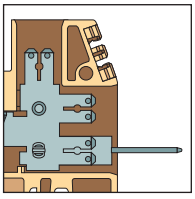
- with flat push-on tab connections
- with solder lug or wire-wrap lug
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types

CVF.4/VS2 Cat. No. CV130
with two 4 x 0.8 mm solder lugs



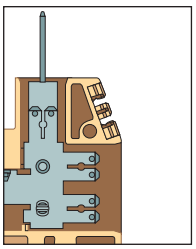
CVF.4/VS

with 4 x 0.8 mm solder lug



CVF.4/WW

with 1.6 x 0.8 mm wire-wrap lug, horizontally mounted



CVF.4/TP

with 1.6 x 0.8 mm wire-wrap lug, vertically mounted

beige version	CVF.4/VS Cat. No. CV110	CVF.4/WW Cat. No. CV120	CVF.4/TP Cat. No. CV140
TECHNICAL CHARACTERISTICS			
function / type			feed-through, 1 screw + spec. connections
rated cross-section	(mm²)		4
connecting capacity			
flexible	(mm²)		0,2 ÷ 6
rigid	(mm²)		0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type			4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1		250 V / 20 A / A4
rated voltage / rated current / AWG / tightening torque value	UL		-
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)		-
rated impulse withstand voltage / pollution degree			4 KV / 3
insulation stripping length	(mm)		11
tightening torque value (test / recommended)	(Nm)		0,5 / 1,2
height / width / thickness	⊓⊔ TH/35 7,5 mm		52 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6
height / width / thickness	⊓⊔ TH/35 15 mm		60 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6
height / width / thickness	⊏⊐ G32		56 (+19 per /TP) / 48,5 (68 per /WW - 58 per /VS) / 6

APPROVALS

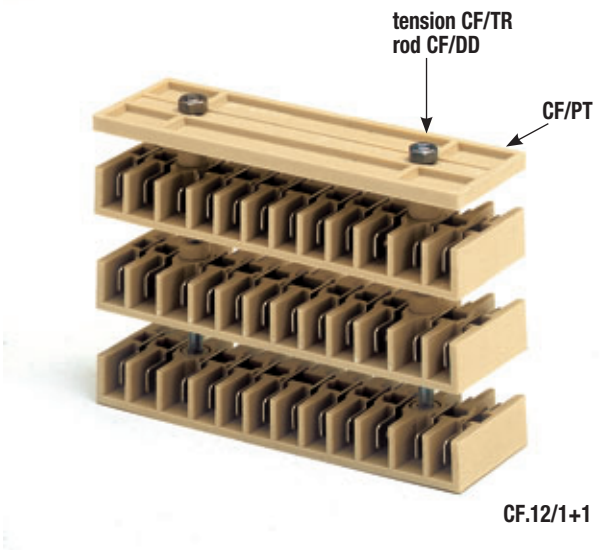
Approvals referring to terminal block type CVF.4

ACCESSORIES		Type	Cat. No.
End sections	beige	**CVF/PT**	CV101
	blue	-	
Permanent cross connection (pre-assembled)		**PM/40/2** poles	PM402
		PM/58/3 poles	PM583
		PM/58/5 poles	PM585
		PM/58/10 poles	PM580
Switchable cross connection		-	
Multiple common bar	250 mm	**PMP/58**	PMP58
Shunting screw and sleeve		**CPM/12i**	CPM12
Coloured partition	red, green, white	**DFU/3**	DU03..
Cross connection barrier	red	-	
Test plug socket		**PSD/A**	PD001
Test plug		**SDD/1**	DD001
Numbering strip		**SNZ/60**	SN007
Cover for cross-connection		-	
Warning plate		-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
	⊓⊔	**PR/3/AC** for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005

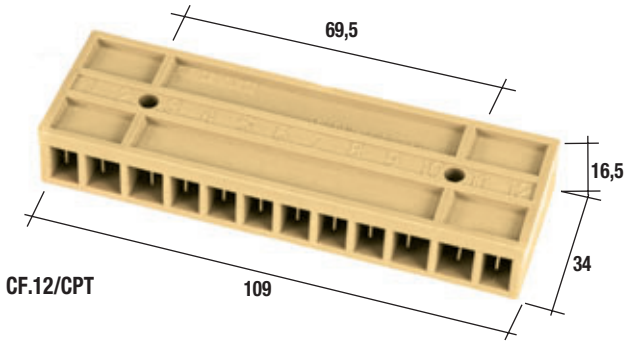
CF.12/1+1 multi-pole terminal board

with 6.3 x 0.8 mm flat push-on tab connections (2 for each pole)

• with beige or blue UL94V-0 polyamide insulating body



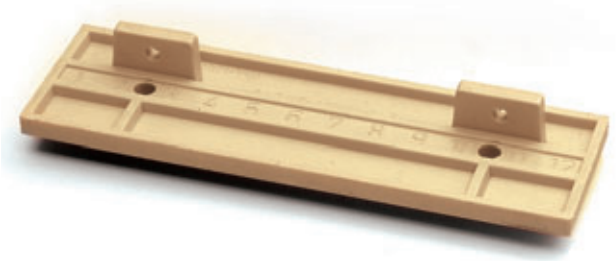
CF.12/1+1 (without end section)	Cat. No.	**CF100**
CF.12/1+1 (Ex)i	Cat. No.	**CFX10**
CF.12/CPT (with end section)	Cat. No.	**CF900**
CF.12/CPT (Ex)i	Cat. No.	**CFX90**



TECHNICAL CHARACTERISTICS	
rated cross-section	2,5 mm²
rated current (conf. to IEC 60947-7-1)	20 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

ACCESSORIES	
Upper end section	of beige polyamide **CF/PT**
Upper end section	of blue polyamide **CF/PT (Ex)i**
Upper special end section	of polyamide **CF/PTM**
Insulating bushing	of beige polyamide **CF/BI**
M4 threaded tension rods	of zinc-plated steel **CF/TR**
Nut (bolt)	of polyamide **CF/DD**

CF/PTM (Cat. No. CF301)
Special end section to be mounted in grooving



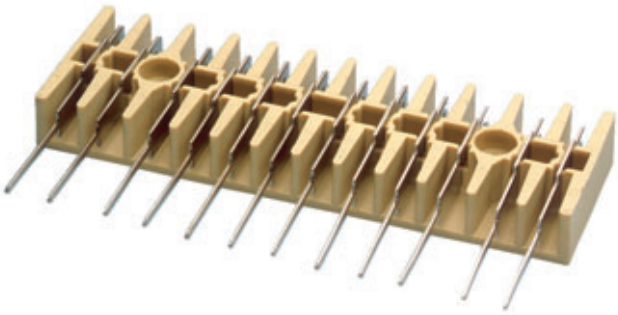
CF.12/1+1 terminal boards can be mounted independently or overlapped. In both cases the single terminal board or the one placed on top of the assembly shall be closed using a CF/PT end section (4 mm thickness). The fixing to the panel can take place by means of:

- screws of adequate length **(distance between the holes 69.5 mm)**
- M4 **threaded tension rods**

To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. No bushings are required between the terminal board and the end section as this element is already appropriately shaped.

The above mentioned end section has an engraved numbering from 1 to 12 for an easy identification of the poles.
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel plating, or on request, silver coating (**CF.12/1+1/AG** Cat. No. CFA10).

CF.12/FW/CPT (Cat. No. CFW90)
Version equipped with flat push on tab connections on one side and wrapped wire on the other side
CF.12/FW/CPT (Ex)i (Cat. No. CFW99)



CF.12/2+2 multi-pole terminal board

con connessioni (2 x polo) a spina piatta da 6,3 x 0,8 mm

• with beige or blue UL94V-0 polyamide insulating body

CF.12/2+2	Cat. No.	CF200

TECHNICAL CHARACTERISTICS	
rated cross-section	2,5 mm²
rated current (conf. to IEC 60947-7-1)	20 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

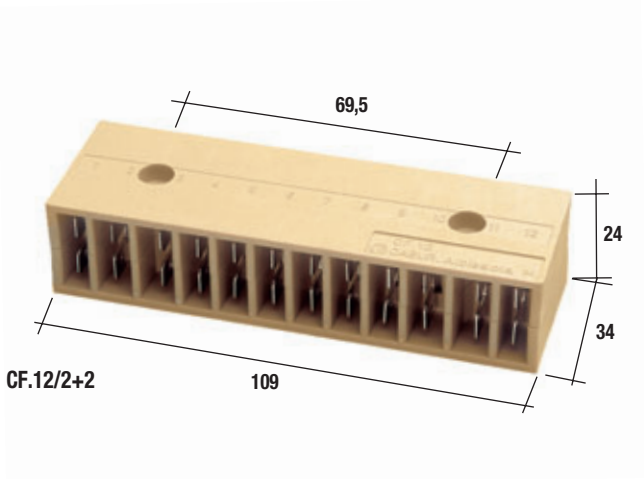
ACCESSORIES	
Insulating bushing	of polyamide **CF/BI**
Reduced insulating bushing	of polyamide **CF/BI**
M4 threaded tension rods	of zinc-plated steel **CF/TR**
Nut (bolt)	of polyamide **CF/DD**

CF.12/2+2 terminal boards can be mounted independently or overlapped. The fixing to the panel can take place by means of:

- screws of adequate length **(distance between the holes 69.5 mm)**
- M4 **threaded tension rods**

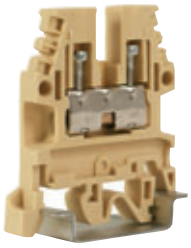
To ensure maximum insulation from earth and a correct mounting of the overlapped terminal boards it is necessary to insert special **CF/BI bushings** in the relevant holes on the insulating bodies. To allow a better tightening of the small **CF/DD nuts**, when using threaded tension rods, it is necessary to introduce in the holes of the upper terminal board the reduced **CF.BI bushings**.
CF.12/2+2 terminal boards have engraved numbering from 1 to 12 for an easy identification of the poles.
Push-on male connections, completely protected from the exterior and adequately insulated one from another with diaphragms, are made of copper-zinc alloy with high percentage of copper, and are provided with anti-oxidation nickel, or on request, silver coating (CF.12/2+2/AG Cat. No. CFA20).

Note: a version provided with eight 6.3 x 0.8 mm flat push-on tab connectors is available. **CF.08/2+2** Cat. No. **CF400**



With special connections

with UL94V-0 polyamide insulating body

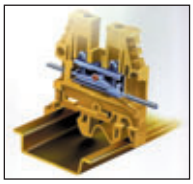


- for thermocouple circuits
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.. "G32" and "TH/35" types
- **CESI 02 ATEX 134 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments (Ex e) please refer to the indications given on page A14

beige version	**TC/PO** Cat. No. **TC500**
(Ex)i version	**TC/PO (Ex)i** Cat. No. **TC510**
TECHNICAL CHARACTERISTICS	
function / type	for thermocouple circuits
rated cross-section (mm²)	-
connecting capacity	
flexible (mm²)	-
rigid (mm²)	thermocouples having 0,8 ÷ 1,3 mm diam.
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / - / -
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 20-14 AWG / 0,6 Nm
(Ex e) rated voltage / (V)	500 V / 630 V
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	20
tightening torque value (test / recommended) (Nm)	0,4 / 0,8
height / width / thickness TH/35 7,5 mm	47 / 40,5 / 5,5
height / width / thickness TH/35 15 mm	55 / 40,5 / 5,5
height / width / thickness G32	51 / 40,5 / 5,5

APPROVALS

ACCESSORIES		**Type**	**Cat. No.**
End sections	beige	**CB2/PT**	CB111
	blue	**CB2/PT (Ex)i**	CBX13
Permanent cross connection		-	
Switchable cross connection		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/1**	DU01..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		-	
Numbering strip		**SNZ/5**	SN001
Cover for cross-connection		-	
Warning plate		-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
		PR/3/AC for PR/DIN and PR/3	PR003
		PR/3/AS same with slots	PR005



Terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, **thermocouple circuits of any type can be wired up without the intervention of any other compensation material.**

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those with different diameters, stripped of their insulating protection for a length of 20 mm. are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

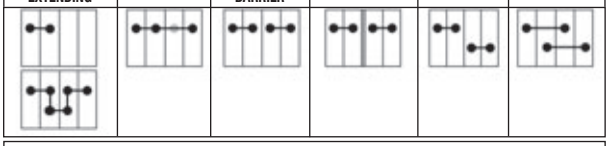
With special connections

with UL94V-0 polyamide insulating body

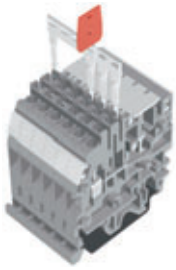
- for 5.08 mm pitch female connectors
- double possibility of PTC – easy bridge multi-pole connection
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., "G32" and "TH/35" types
- available in grey RAL 7042 and beige RAL 1001 colours

(*) current on the PCB connector pin

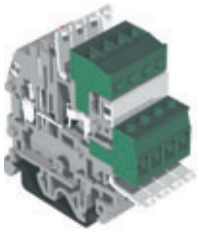
*The **/GR** tag indicates the grey colour version.*

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with PTC jumpers and barriers



Detail with 5.08 mm female connectors and lug protection covers in up position



NEW	grey version	VPC.2/GR Cat. No. VP300GR
	beige version	VPC.2 Cat. No. VP300
	(Ex)i version	VPC.2 (Ex)i Cat. No. VP310
	TECHNICAL CHARACTERISTICS	
function / type		1 screw connection and 2 pins for female connectors
rated cross-section	(mm²)	2,5
connecting capacity		
flexible	(mm²)	0,2 ÷ 4
rigid	(mm²)	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type		2,5 - WP25/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	320 V / 24-12 (*) A / A3
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 20 ÷ 14 AWG / 15 A / 5,5 lb.in.
(Ex e) rated voltage ⊏⊐ / ⊐⊏	(V)	-
rated impulse withstand voltage / pollution degree		4 KV / 3
insulation stripping length	(mm)	9 (screw connection)
tightening torque value (test / recommended)	(Nm)	0,4 / 0,8 (screw connection)
height / width / thickness	⊐⊏ TH/35 7,5 mm	51 / 44 / 5,08
height / width / thickness	⊏⊐ TH/35 15 mm	59 / 44 / 5,08
height / width / thickness	⊏⊐ G32	55 / 44 / 5,08

APPROVALS

ACCESSORIES		Type	Cat. No.
End sections	grey	**VPC/PT/GR**	VP101GR
	beige	**VPC/PT**	VP101
	blue	**VPC/PT (Ex)i**	VP201
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/2/02** poles	PTC0202
		PTC/2/03 poles	PTC0203
		PTC/2/05 poles	PTC0205
		PTC/2/10 poles	PTC0210
		PTC/2/00 (50 poles)	PTC0200
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990
Switchable cross connection		-	
Diaframma separatore ponti		**DFM/300**	DF300
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/5**	DU05
Hollow partition	grey	**DFU/VPC/GR**	DU015GR
	beige	**DFU/VPC**	DU015
Test plug socket		-	
Test plug		-	
Numbering strip		**SNZ/508**	SN009
Cover for cable lugs		**VPC/VT**	VP102
Flangia		**VPC/PTF**	VP303
Marking tag	printed or blank	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004
		PR/DIN/AL of aluminium	PR002
	⊐⊏	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005

Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02	- 2 poles	Cat. No. **VP902**
VPC/F03	- 3 poles	Cat. No. **VP903**
VPC/F04	- 4 poles	Cat. No. **VP904**
VPC/F05	- 5 poles	Cat. No. **VP905**
VPC/F06	- 6 poles	Cat. No. **VP906**
VPC/F07	- 7 poles	Cat. No. **VP907**
VPC/F08	- 8 poles	Cat. No. **VP908**
VPC/F09	- 9 poles	Cat. No. **VP909**
VPC/F10	-10 poles	Cat. No. **VP910**
VPC/F11	-11 poles	Cat. No. **VP911**
VPC/F12	-12 poles	Cat. No. **VP912**
VPC/F13	-13 poles	Cat. No. **VP913**
VPC/F14	-14 poles	Cat. No. **VP914**
VPC/F15	-15 poles	Cat. No. **VP915**
VPC/F16	-16 poles	Cat. No. **VP916**

VPC/PTF

flange for the securing of female connectors provided with locking screws onto the terminal board

DF/VPC

reduced pitch end section for the separation of different groups

For the fixing of the conductor in an even more secure way, it is possible to use connectors provided with locking screws, located on the sides of the connector itself. In this case it is necessary to insert on to both sides of the assembled VPC.2 terminal blocks a **VPC/PTF** (Cat. No. VP103) flange. In the case that an assembly composed in such a way has a flange with external connecting pins, it is necessary to add a **VPC/PT** (Cat. No. VP101) end section, or to remove the external pins with a cutter. For safety reasons, the connectors must not be handled under load. The use of **DF/VPC** (Cat. No. DU015) barrier, for the physical separation of the different groups of terminal blocks, does not avoid the possibility to perform cross-connections.

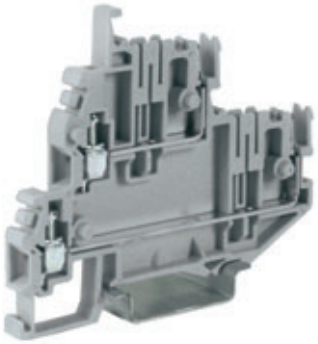
The terminal block is available also in the version equipped with signal circuit (VPC.2/L024). In this case a common bar (dimension 7 x 1 x 250 mm), for the common return of a LED (red colour - 24 V), must be inserted in the appropriate housing on the side of the group of adjoining terminal blocks and connected by means of a feeding terminal block - VPC.2(Ex)i/D (Cat. No. VPC200). The **VPC.2(Ex)i/D** feeding terminal block is a version of terminal block type VPC.2(Ex)i, equipped with a type 1N4007 diode.

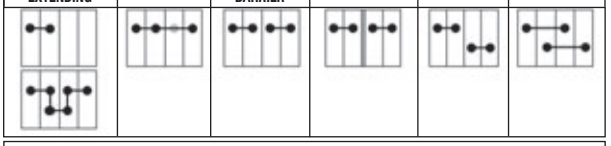
A transparent cover in order to prevent accidental contacts on the pins is supplied as an accessory (**VPC/VT** - Cat. No. VP102) in 10-pole bars; it can be easily separated into the desired number of poles. The cover is inserted by clip fixing in the appropriate housing provided in the insulating body of the terminal block; the insertion point acts as a fulcrum for the rotation of the protection itself from the closed position (guaranteed by a clip) to the open position (for the insertion of the connector). It is manufactured in transparent material in order to ensure visibility of both the type of connection (in closed position) and the LED, in opened position, once the connector is inserted.

With special connections

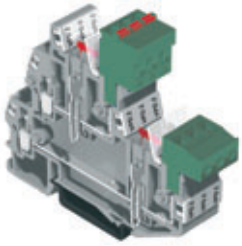
with UL94V-0 polyamide insulating body

- for 5.08 mm pitch female connectors – two levels
- universal mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in grey RAL 7042 and beige RAL 1001 colours



PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
320	320		320	320	320

Detail with 5.08 mm female connectors inserted on the two levels, the lug protection covers raised and the PTCs inserted on the two levels.



(*) current on the PCB connector pin

*The **/GR** tag indicates the grey colour version.*

NEW	**grey version**	**VPD.2/GR** Cat. No. **VP500GR**
	beige version	**VPD.2** Cat. No. **VP500**
	(Ex)i version	**VPD.2 (Ex)i** Cat. No. **VP560**
	TECHNICAL CHARACTERISTICS	
function / type		2 level feed-through with 2 screw connections and 2 pins for connectors
rated cross-section	(mm²)	2,5
connecting capacity		
flexible	(mm²)	0,2 ÷ 4
rigid	(mm²)	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type		-
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	320 V / 24-12 (*) A / A3
rated voltage / rated current / AWG / tightening torque value	UL	300 V / 15 A / 26-12 AWG / 3,5 lb.in.
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	-
rated impulse withstand voltage / pollution degree		4 KV / 3
insulation stripping length	(mm)	9
tightening torque value (test / recommended)	(Nm)	0,4 / 0,8 (screw connection)
height / width / thickness	⊓⊔ TH/35 7,5 mm	64 / 74 / 5,08
height / width / thickness	⊓⊔ TH/35 15 mm	72 / 74 / 5,08
height / width / thickness	⊏⊐ G32	- / - / -

Female connectors, 90° - 5,08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector it is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02 -2 poles	Cat. No.	**VP902**
VPC/F03 -3 poles	Cat. No.	**VP903**
VPC/F04 -4 poles	Cat. No.	**VP904**
VPC/F05 -5 poles	Cat. No.	**VP905**
VPC/F06 -6 poles	Cat. No.	**VP906**
VPC/F07 -7 poles	Cat. No.	**VP907**
VPC/F08 -8 poles	Cat. No.	**VP908**
VPC/F09 -9 poles	Cat. No.	**VP909**
VPC/F10 -10 poles	Cat. No.	**VP910**
VPC/F11 -11 poles	Cat. No.	**VP911**
VPC/F12 -12 poles	Cat. No.	**VP912**
VPC/F13 -13 poles	Cat. No.	**VP913**
VPC/F14 -14 poles	Cat. No.	**VP914**
VPC/F15 -15 poles	Cat. No.	**VP915**
VPC/F16 -16 poles	Cat. No.	**VP916**

APPROVALS

c UL us

KEMA-KEUR pending

ACCESSORIES		Type	Cat. No.
End sections	grey	**VPD/PT/GR**	VP501GR
	beige	**VPD/PT**	VP501
	blue	**VPD/PT (Ex)i**	VP561
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/2/02** poles	PTC0202
		PTC/2/03 poles	PTC0203
		PTC/2/05 poles	PTC0205
		PTC/2/10 poles	PTC0210
		PTC/2/00 (50 poles)	PTC0200
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990
Switchable cross connection		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/7**	DU07
Cross connection barrier		**DFM/300**	DF300
Test plug socket		-	
Test plug		-	
Numbering strip		**SNZ/508**	SN009
Cover for cable lugs		**VPD/VT**	VP502
Flange		-	
Marking tag	printed or blank	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001
		BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	⊏⊐	-	
	⊓⊔	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005

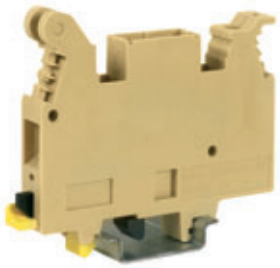
MAC Series

with UL94V-0 polyamide insulating body

- to be used with modular CAM connectors
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in beige RAL 1001 colour

Version available with 2.8 x 0.8 mm solder lug
MAC.6/VS Cat. No. MA500

Our F5 type Ø 5 x 20 mm - 250 V fuse (supplied separately) **without** pilot LED



Version without disconnect lever suitable for the permanent use with CAM modular connector

(*) Values referred to the characteristics of the insulating body

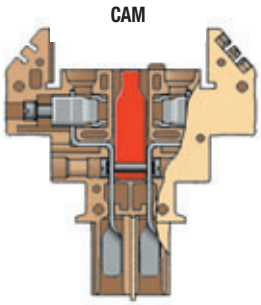
beige version	**MAC.6** Cat. No. **MA100**	**MAC.6/FS** Cat. No. **MA410**	**MAC.6/N** Cat. No. **MA200**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect lever	for Ø 5 x 20 mm fuse	without disconnect lever for the use with CAM connector
rated cross-section (mm²)	6	6	6
connecting capacity			
flexible (mm²)	0,2 ÷ 10	0,2 ÷ 10	0,2 ÷ 10
rigid (mm²)	0,2 ÷ 10	0,2 ÷ 10	0,2 ÷ 10
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	6 - WP60/20	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 16 A / A5	800 V (*) / 6,3 A / A5	800 V (*) / 16 A / A5
rated voltage / rated current / AWG / tightening torque value UL	600 V (*) / 16 A / 20-10 AWG / 1,5 Nm	600 V / 8 A / 20-10 AWG / 1,5 Nm	600 V (*) / 16 A / 20-10 AWG / 1,5 Nm
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	65 / 83 / 8	72 / 83 / 8	63 / 77 / 8
height / width / thickness TH/35 15 mm	73 / 83 / 8	80 / 83 / 8	71 / 77 / 8
height / width / thickness G32	69 / 83 / 8	76 / 83 / 8	67 / 77 / 8
APPROVALS	c UL us, KEMA KEUR	c UL us, KEMA KEUR, Terna LV 27/8, Enel Distribuzione DV 27/8	c UL us Other approvals referred to MAC.6 standard version

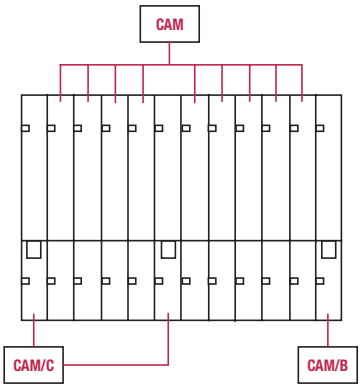
ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	grey	-		-		-	
	beige	-		-		-	
	blue	-		-		-	
Permanent cross connection (pre-assembled)		**PIL/2** poles	PIL02	**PIL/2** poles	PIL02	**PIL/2** poles	PIL02
		PIL/3 poles	PIL03	**PIL/3** poles	PIL03	**PIL/3** poles	PIL03
		PIL/4 poles	PIL04	**PIL/4** poles	PIL04	**PIL/4** poles	PIL04
		PIL/8 poles	PIL08	**PIL/8** poles	PIL08	**PIL/8** poles	PIL08
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	-		-		-	
Test plug socket		-		-		-	
Test plug		**SDD/1**	DD002	-		**SDD/1**	DD002
Pitching strip		**MAC/SPS**	MA020	**MAC/SPS**	MA020	**MAC/SPS**	MA020
Ø 5 x 20 mm fuse		-		**F5**	FN...	-	
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

CAM shunting elements

with polyamide insulating body

- used with MAC terminal blocks





example of the derivation connector composition

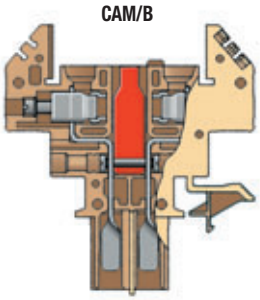
standard version	**CAM** Cat. No.	**MA110**
version with lock	**CAM/B** Cat. No.	**MA111**
version with lock and pins	**CAM/C** Cat. No.	**MA112**

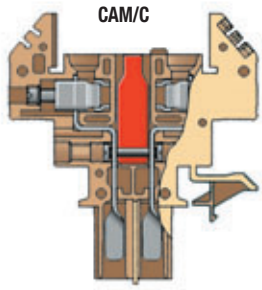
TECHNICAL CHARACTERISTICS		
rated cross-section	(mm²)	2,5
connecting capacity		
flexible	(mm²)	0,2 ÷ 6
rigid	(mm²)	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 24 A / A3
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 16 A / 20-10 AWG / 1 Nm
rated impulse withstand voltage / pollution degree		8 KV / 3
insulation stripping length	(mm)	12
tightening torque value (test / recommended)	(Nm)	-
height / width / thickness	TH/35 7,5 mm	-
height / width / thickness	TH/35 15 mm	-
height / width / thickness	G32	-

APPROVALS

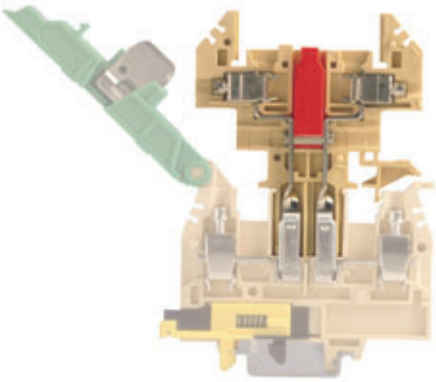
c UL us KEMA KEUR

ACCESSORIES		**Type**	**Cat. No.**
Shunting connection	beige	**MAC/COS**	MA030
Pole lock		**MAC/PLZ**	MA010
Safety cover		**MAC/CP8**	MA040

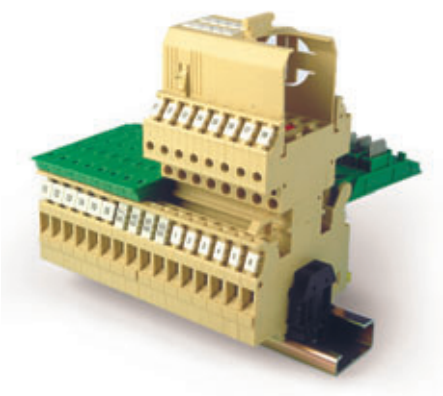




NOTE:
the use of CAM/C type could be necessary only in the case the connector is composed by more than 8 elements



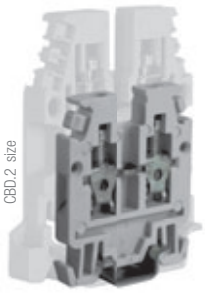
CAM insertion



CAM connector inserted into MAC composed terminal block

Mini terminal blocks

with UL94V-0 polyamide insulating body



- mounting onto PR/2 type rails - TH/15 type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- **RP.4** and **RN.2: CESI 03 ATEX 073 U** Ex e certificate Ex I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for potentially explosive environments, please refer to the instructions given on page A14

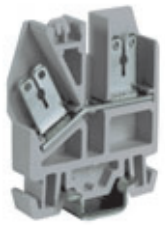
*The **/GR** tag indicates the grey colour version.*

versione base	**RN.1/GR** Cat. No. **RN300GR**	**RN.2/GR** Cat. No. **RN500GR**	**RP.4/GR** Cat. No. **RP300GR**
(Ex)i version	**RN.1 (Ex)i** Cat. No. **RN400**	**RN.2 (Ex)i** Cat. No. **RN510**	**RP.4 (Ex)i** Cat. No. **RP400**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	1,5	2,5	4
connecting capacity			
flexible (mm²)	0,2 ÷ 2,5	0,2 ÷ 4	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 2,5	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	1,5 - WP15/14	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 17,5 A / A1	400 V / 24 A / A3	630 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 26-14 AWG / 0,5 Nm	300 V / 20 A / 20 ÷ 12 AWG / 0,4 Nm	600 V / 30 A / 20-10 AWG / 0,5 Nm
(Ex e) rated voltage / (V)	-	250 V	250 V
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	8	8	9
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,4 / 0,8	0,5 / 1,2
height / width / thickness TH/15	32 / 27 / 4,2	32 / 27 / 5	35 / 31 / 6
APPROVALS		IEC Ex pending	IEC Ex pending
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**RFN/PT/GR** RF101GR	**RFN/PT/GR** RF101GR	**RP4/PT/GR** RP301GR
End sections blue	**RFN/PT (Ex)i** RF201	**RFN/PT (Ex)i** RF201	**RP4/PT (Ex)i** RP401
Permanent cross connection	**PM/11/2** poles PM112	**PM/12/2** poles PM122	**PM/41/2** poles PM412
	PM/11/3 poles PM113	**PM/12/3** poles PM123	**PM/51/3** poles PM513
	PM/11/5 poles PM115	**PM/12/5** poles PM125	**PM/51/5** poles PM515
	PM/11/10 poles PM110	**PM/12/10** poles PM120	**PM/51/10** poles PM510
Switchable cross connection	-	-	-
Multiple common bar 250 mm	**PMP/16** PMP16	**PMP/25** PMP25	**PMP/58** PMP58
Shunting screw and sleeve (same, Ex e version)	**CPM/16 (CPX/16)** CPM16 (CPX16)	**CPM/16 (CPX/16)** CPM16 (CPX16)	**CPM/01 (CPX/01)** CPM01 (CPX01)
Coloured partition red, green, white	**DFP/2** DFP2..	**DFP/2** DFP2..	**DFP/2** DFP2..
Test plug socket	**PSD/K** PD011	**PSD/A** PD001	**PSD/A** PD001
Test plug	**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Numbering strip	**SNZ/4** SN008	**SNZ/508** SN009	**SNZ/60** SN007
Warning plate on adjacent terminal blocks	**TQM/02** TQM02	-	-
Cover for cross-connection	**PRP/5** PRP05	**PRP/5** PRP05	**PRP/5** PRP05
Marking tag printed or blank	-	**CNU/8** NU...	**CNU/8** NU...
		-.	**CSC** CS...
End bracket	**BT/2** BT006	**BT/2** BT006	**BT/2** BT006
	-	-	-
	-	-	-
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/2/AC of steel PR009	**PR/2/AC** of steel PR009	**PR/2/AC** of steel PR009
	PR/2/AS same with slots PR010	**PR/2/AS** same with slots PR010	**PR/2/AS** same with slots PR010

Mini terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/2 type rails – TH/15 type
- **TR.2** and **TR.4:**
  CESI 03 ATEX 022 U Ex e certificate
  I M2 / II 2 G D operating temperature range:
  –40 ÷ +80 °C
- available in grey RAL 7042 colour



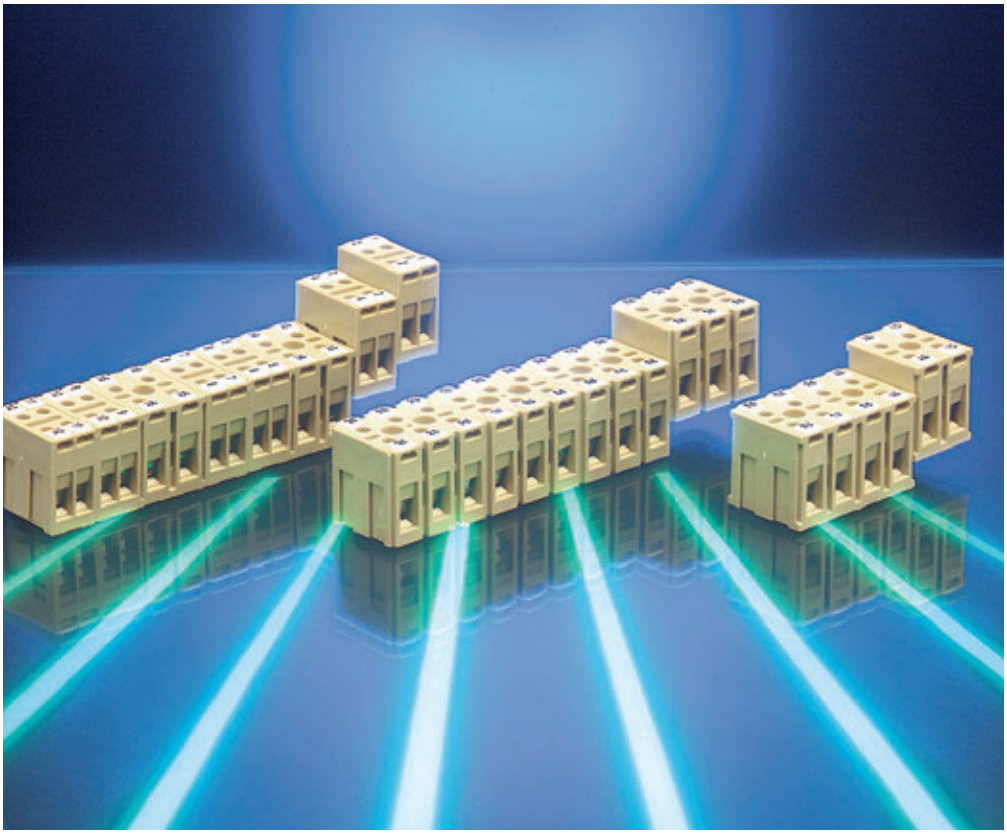
Two 6.3 x 0.8 mm or four 2.8 x 0.8 mm flat push-on tab connections according to Std. IEC 60760

*The **/GR** tag indicates the grey colour version.*

versione base	RFI.2/GR Cat. No. RF110GR	TR.2 Cat. No. TR110	TR.4 Cat. No. TR200
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through for push-on tab connections	earth	earth
rated cross-section (mm²)	2,5	2,5	4
connecting capacity			
flexible (mm²)	sino a 2,5	0,2 ÷ 4	0,2 ÷ 6
rigid (mm²)	-	0,2 ÷ 4	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	-	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 20 A / -	- / - / A3	- / - / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 12 AWG max	- / - / 20-12 AWG / 0,4 Nm	- / - / 20-10 AWG / 0,6 Nm
(Ex e) rated voltage / (V)	- / -	- / -	- / -
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	-	8	9
tightening torque value (test / recommended) (Nm)	- / -	0,4 / 0,8	0,5 / 1,2
height / width / thickness TH/15	32 / 28 / 6	32 / 27 / 5	35 / 35 / 7,3
APPROVALS		IEC Ex pending	IEC Ex pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey blue	**RFN/PT/GR** -	RF101GR	**TR.2/PT** -	TR111	- -	
Permanent cross connection		**POF/17**	POF17	-		-	
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	**PMP/17**	PMP17	-		-	
Shunting screw and sleeve		**CPM/17**	CPM17	-		-	
Coloured partition	red, green, white	**DFP/2**	DFP2..	**DFP/2**	DFP2..	**DFP/2**	DFP2..
Test plug socket		**PSD/K**	PD011	-		-	
Test plug		**SDD/1**	DD001	-		-	
Numbering strip		**SNZ/60**	SN007	**SNZ/508**	SN009	-	
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	**CNU/8** **CSC**	NU... CS...	**CNU/8** -.	NU...	**CNU/8** **CSC**	NU... CS...
End bracket		**BT/2** - -	BT006	**BT/2** - -	BT006	**BT/2** - -	BT006
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/2/AC of steel **PR/2/AS** same with slots	PR009 PR010	**PR/2/AC** of steel **PR/2/AS** same with slots	PR009 PR010	**PR/2/AC** of steel **PR/2/AS** same with slots	PR009 PR010

Modular multi-pole terminal blocks



The two way **BPL.4** and three way **TPL.4** terminal blocks can be mounted separately or used to compose terminal boards with unlimited number of poles and no mounting rails are required.

The special “dovetail” coupling system guarantees the maximum compactness of the assembly and only two screws, to be inserted at the ends of the terminal board, are required for the fixing onto the panel.

BPL.4 and TPL.4 terminal blocks are suited for the marking using type CNU/5 tags.

Modular multi-pole terminal blocks

with UL94V-0 polyamide insulating body

- UL94V-0
- **CESI 03 ATEX 164 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- panel mount by means of screws

beige version	BPL.4 Cat. No. BP100	TPL.4 Cat. No. TP100	BPL/R Cat. No. BP200
TECHNICAL CHARACTERISTICS			
function / type	two-pole	three-pole	two-pole reduced pitch
rated cross-section (mm²)	4	4	4
connecting capacity			
flexible (mm²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
rigid (mm²)	0,5 ÷ 6	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	500 V / 32 A / A4	500 V / 32 A / A4	500 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.
(Ex e) rated voltage ⊏⊐ / ∿ (V)	250 V	250 V	250 V
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	12	12	12
tightening torque value (test / recommended) (Nm)	0,5 / 0,8	0,5 / 0,8	0,5 / 0,8
fixing screw (*) (Ø)	M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)	-
height / width / thickness	26 / 24 / 20	26 / 30 / 20	26 / 24 / 13
APPROVALS	c UL us, KEMA KEUR, Ex, UL BR (*)	c UL us, KEMA KEUR, Ex, UL BR (*)	c UL us, KEMA KEUR, Ex, UL BR (*)

Normal compositions		
No of poles	**BPL.4 and TPL.4 configurations**	**Total length mm**
2	B	20
3	T	30
4	B+B	40
5	B+T	50
6	T+T	60
7	B+T+B	70
8	T+B+T	80
9	T+T+T	90
10	T+B+B+T	100
12	T+T+T+T	120
14	T+T+B+T+T	140
15	T+T+T+T+T	150
16	T+T+B+B+T+T	160
18	T+T+T+T+T+T	180
20	T+T+T+B+T+T+T	200

(*) NOTE:
when using BPL.4 and TPL.4 terminal blocks in Ex e classified installations, the use of the insulated fixing screw is required.

Modular multi-pole terminal blocks

with UL94V-0 polyamide insulating body

- UL94V-0
- panel mount by means of screws
- /PS versions, with poles including one screw connection and one feed-through lug with push-on connection (2.3 x 0.8 mm), which may also be used for soldering

(*): with bearing plate thickness = 1 mm

beige version		BPL.4/PS Cat. No. BP300	TPL.4/PS Cat. No. TP200
TECHNICAL CHARACTERISTICS			
function / type		version with special connections	version with special connections
rated cross-section	(mm²)	4	4
connecting capacity			
flexible	(mm²)	0,5 ÷ 6	0,5 ÷ 6
rigid	(mm²)	0,5 ÷ 6	0,5 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	500 V (*) / 32 A / A4	500 V (*) / 32 A / A4
rated voltage / rated current / AWG / tightening torque value	UL	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.	300 V / 20 A / 12 ÷ 18 AWG / 4,4 lb.in.
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	-	-
rated impulse withstand voltage / pollution degree		6 KV / 3	6 KV / 3
insulation stripping length	(mm)	12	12
tightening torque value (test / recommended)	(Nm)	0,5 / 0,8	0,5 / 0,8
fixing screw (*)	(Ø)	M3 (Ø head 5.6 mm max)	M3 (Ø head 5.6 mm max)
height / width / thickness	⊓⊔ TH/15	36 / 24 / 20	36 / 24 / 20
APPROVALS		c UL us	c UL us

Normal compositions		
No of poles	**BPL.4 and TPL.4 configurations**	**Total length mm**
6	B+R+B	53
8	B+R+R+B	66
10	B+R+R+R+B	79
12	B+R+R+R+R+B	92
14	B+R+R+R+R+R+B	105
16	B+R+R+R+R+R+R+B	118
18	B+R+R+R+R+R+R+R+B	131
20	B+R+R+R+R+R+R+R+R+B	144

PS versions, equipped with solder connections are also available in the following configurations:

BPL.4/PS (Cat. No. BP300) - TPL.4/PS (Cat. No. TP200)
equipped with screw connections on the opposite side from the solder connections

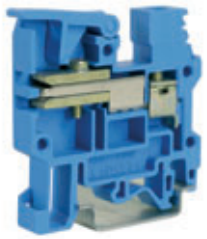
BPL.4/PS/A (Cat. No. BP310) - TPL.4/PS/A (Cat. No. TP210)
equipped with screw connections on the same side as the solder connections

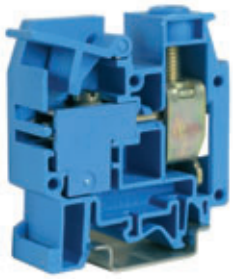
BPL.4/PS/B (Cat. No. BP320) - TPL.4/PS/B (Cat. No. TP220)
equipped with 2 (3) solder lugs and 4 (6) connections.

CNT Series

Neutral disconnect terminal blocks

- UL94V-0
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std., “G32” and “TH/35” types
- available in blue RAL 5015 colour





beige version			
(Ex)i version	**CNT.6** Cat. No. **CNT06**	**CNT.16** Cat. No. **CNT16**	**CNT.35** Cat. No. **CNT35**
TECHNICAL CHARACTERISTICS			
function / type	neutral disconnect terminal block	neutral disconnect terminal block	neutral disconnect terminal block
rated cross-section (mm²)	6	6	6
connecting capacity			
flexible (mm²)	0,5 ÷ 6	0,5 ÷ 16	0,5 ÷ 35
rigid (mm²)	0,5 ÷ 10	0,5 ÷ 25	0,5 ÷ 50
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	16 - WP160/22	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 41 A / A5	400 V / 76 A / B7	400 V / 125 A / A9
rated voltage / rated current / AWG / tightening torque value UL	-	-	-
(Ex e) rated voltage ⊏⊐ / ⊔ (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	10,5	12	14,5
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	2 / 3	2,5 / 5
height / width / thickness ⊔ TH/35 7,5 mm	52 / 51 / 8	56 / 53 / 12	62 / 56 / 16
height / width / thickness ⊔ TH/35 15 mm	60 / 51 / 8	64 / 53 / 12	70 / 56 / 16
height / width / thickness ⊏⊐ G32	56 / 51 / 8	61 / 53 / 12	66 / 56 / 16

APPROVALS

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	blu	**CNT6/PT**	CNT601	**CNT16/PT**	CNT161	**CNT35/PT**	CNT351
Collecting busbar support		**CNT/SU**	CNTSU	**CNT/SU**	CNTSU	**CNT/SU**	CNTSU
10 x 3 mm collecting busbar in tin-plated brass = 1 m long		**BNT/OT**	BNTOT	**BNT/OT**	BNTOT	**BNT/OT**	BNTOT
10 x 3 mm collecting busbar in tin-plated copper = 1 m long		**BNT/Cu**	BNTCU	**BNT/Cu**	BNTCU	**BNT/Cu**	BNTCU
Neutral collecting busbar feeding terminal		**BNT/CO**	BNTCO	**BNT/CO**	BNTCO	**BNT/CO**	BNTCO
Coloured partition	red, green, white	**DFU/4**	DU04..	**DFU/4**	DU04..	**DFU/4**	DU04..
Numbering strip		**SNZ/8**	SN005	**SNZ/8**	SN005	**SNZ/8**	SN005
Marking tag	printed or blank	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...	**CNU/8-CSC**	NU...-CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
Mounting rail ⊏⊐		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.		**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊔		**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

Spring clamp and insulation displacement terminal blocks - Polyamide insulated

Feed-through terminal blocks

HMM.1 series . . . . . page 70
HMM.2 series . . . . . page 71
HMM.2/1+2/S . . . . . page 72
HMM.2/2+2/A . . . . . page 72
HMM.2/2+2/S . . . . . page 72
HMM.4 . . . . . page 73
HMM.6 - HMM.10 - HMM.16 . . . . . page 74
Voltage supply terminal HMR.16 . . . . . page 75

Earth terminal blocks

HTE.1 series . . . . . page 76
HTE.2 series . . . . . page 77
HTE.4 series . . . . . page 78
HTE.6 - HTE.10 - HTE.16 . . . . . page 79

Two and three level terminal blocks

HMD.1 - HMD.1/CI . . . . . page 80
HMD.2N - HMD.2N/CI . . . . . page 80
HMD.2 . . . . . page 80
HMD.1/X (for electronic components) . . . . . page 81
HMD.2N/X (for electronic components) . . . . . page 81
HMD.2N/DD - HMD.2N/3DC (with diodes) . . . . page 81
HMD.2N/X1 . . . . . page 82

Disconnect terminal blocks

HMS.2 . . . . . page 83
HSCB.4 (slide link) . . . . . page 83
HSCB.6 (slide link for measuring circuits) . . . . . page 83

Fuse-holder terminal blocks

HMFA.2 (for blade fuses) . . . . . page 84
HMF.4 . . . . . page 85
HMF.4/L… (with LED) . . . . . page 85

Terminal blocks for connectors

HCD.1 . . . . . page 86
HVPC.2 - CHP.2 - CHP.2D . . . . . page 87
HVTE.2 - CHTE.2 - CHTE.2D . . . . . page 88

Mini terminal blocks

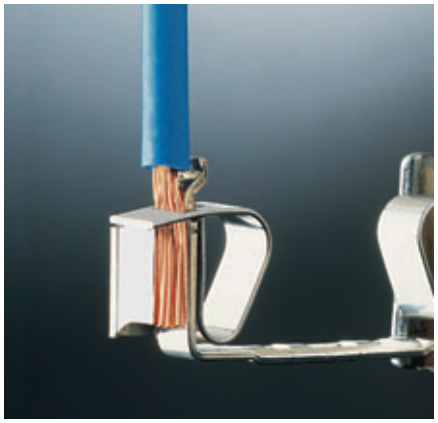
HPP.2 . . . . . page 89
HP.2 . . . . . page 89
HPC.2 . . . . . page 90

Insulation displacement terminal blocks

NCS - NCV . . . . . pages 91-92

Spring clamp terminal blocks

• available in grey RAL 7042 colour only



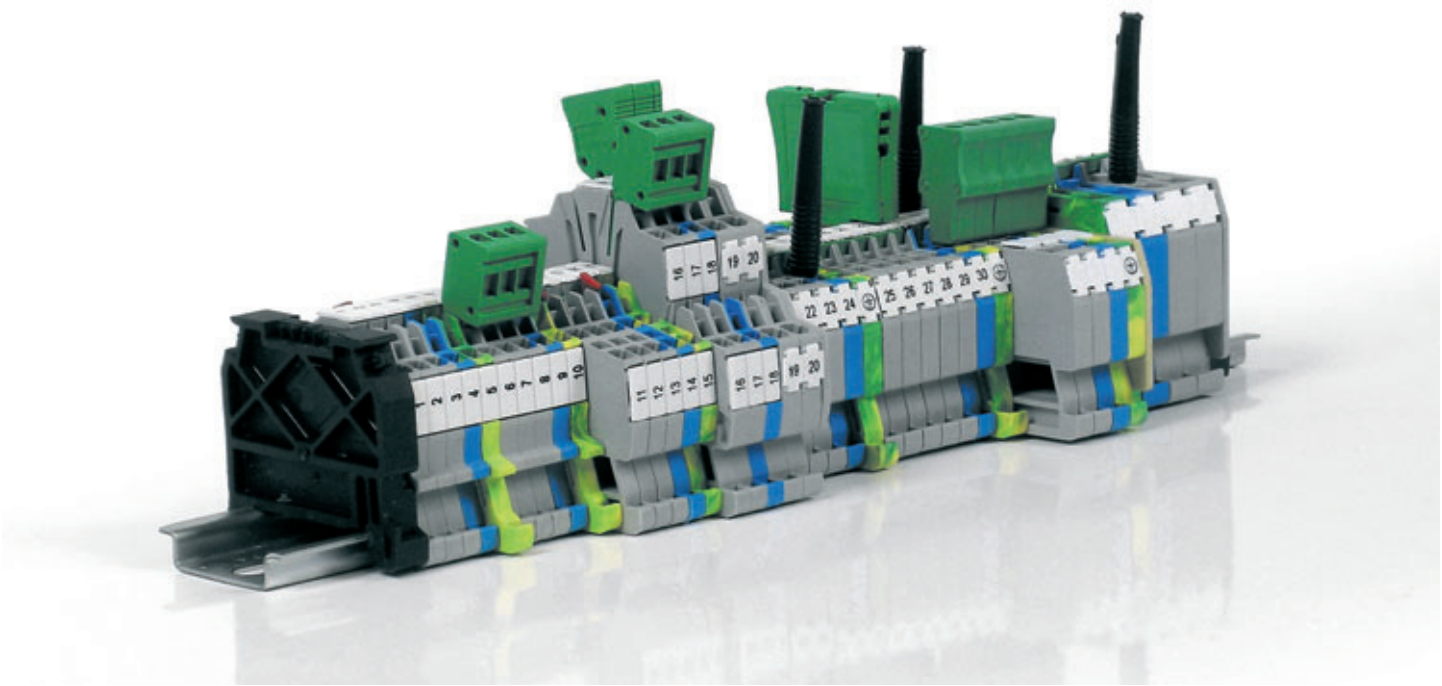
For high harness volumes, CABUR offers its own range of spring-clamp terminal blocks suitable for cables from 0.2 to 10 mm^2 and reduced current intensity values.
In order to protect the clamping system, a special stop is provided in the insulating body; this has the function of ensuring the spring does not go over its elastic range, in case of handling carried out by unskilled workforce.
The appropriate sizing of the wire insertion hole, fully in compliance with the requirements given by IEC 60947-1 Standard concerning the gauge, guarantees the insertion of any type of conductor having the rated cross-section, also with a ferrule. The resulting connection, with respect to the technology adopted, is of the maximum reliability and safety under both the aspects of the quality of the materials and for the particular conformation of the components; in this way the damaging of unprepared flexible conductors is avoided.
The insertion of the wire is vertical; this means further time and costs savings, especially where space is limited, but where guaranteed high-density connections are required.
For the commoning of different elements, a practical and safe cross-connection system is available.
The terminals with rated cross sections between 1.5 mm and 4 mm^2 can be connected one with another in the most various ways thanks to our exclusive "Easy Bridge" (**PTC**) connection system, with quick coupling, which combines efficiency, rapidity and flexibility and ensures at the same time an extraordinary economic result; these characteristics, **together with an IPXXB intrinsic installation, without the need of further insulation protections** (for cables, terminals and cross-connections), guarantee a connectivity which is superior to that offered by competitors.

CNU/8

SHZ

Marking systems

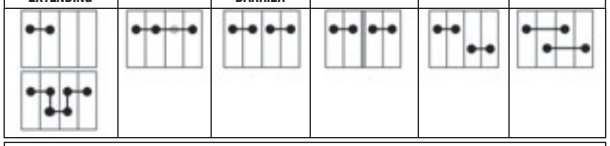
Our particular marking system has to be highlighted. The same **SHZ** numbering strip, in fact, can be inserted on both sides of the terminal block or on the appropriate housings provided in the upper part of the terminal block. This means easy identification of every terminal block in the electrical panel.
It is possible also to perform the marking also using **CNU/8** tags.



HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
630	630		320	630	630

*The **/GR** tag indicates the grey colour version.*

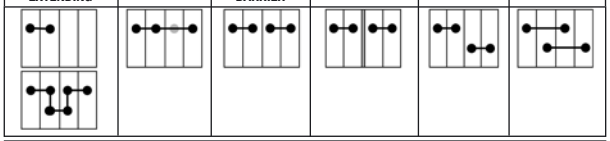
NEW	**grey version**	**HMM.1/GR** Cat. No. **HM400GR**	**HMM.1/1+2/GR** Cat. No. **HM410GR**	**HMM.1/2+2/GR** Cat. No. **HM420GR**
	(Ex)i version	**HMM.1 (Ex)i** Cat. No. **HI400**	**HMM.1/1+2 (Ex)i** Cat. No. **HI410**	**HMM.1/2+2 (Ex)i** Cat. No. **HI420**
	TECHNICAL CHARACTERISTICS			
function / type		feed-through	feed-through, 1 input and 2 outputs	feed-through, 2 inputs and 2 outputs
rated cross-section	(mm²)	1,5	1,5	1,5
connecting capacity				
flexible	(mm²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
rigid	(mm²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
max. flexible with ferrule (mm²)-ferrule type		1,5 - WP15/14	1,5 - WP15/14	1,5 - WP15/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	500 V / 17,5 A / B2	500 V / 17,5 A / B2	500 V / 17,5 A / B2
rated voltage / rated current / AWG	UL	600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length	(mm)	10	10	10
height / width / thickness	TH/35 7,5 mm	43 / 45 / 4,2	43 / 56 / 4,2	43 / 65 / 4,2
height / width / thickness	TH/35 15 mm	51 / 45 / 4,2	51 / 56 / 4,2	51 / 65 / 4,2
height / width / thickness	G32	-	-	-
APPROVALS		KEMA KEUR, c UL us, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR	KEMA KEUR, c UL us, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR	KEMA KEUR, c UL us, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMT.1/PT/GR**	HM401GR	**HMT.1/1+2/PT/GR**	HM411GR	**HMT.1/2+2/PT/GR**	HM421GR
	blue	**HMT.1/PT (Ex)i**	HI401	**HMT.1/1+2/PT (Ex)i**	HI411	**HMT.1/2+2/PT (Ex)i**	HI421
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/1/02** poles	PTC0102	**PTC/1/02** poles	PTC0102	**PTC/1/02** poles	PTC0102
		PTC/1/03 poles	PTC0103	**PTC/1/03** poles	PTC0103	**PTC/1/03** poles	PTC0103
		PTC/1/05 poles	PTC0105	**PTC/1/05** poles	PTC0105	**PTC/1/05** poles	PTC0105
		PTC/1/10 poles	PTC0110	**PTC/1/10** poles	PTC0110	**PTC/1/10** poles	PTC0110
		PTC/1/00 (50 poles)	PTC0100	**PTC/1/00** (50 poles)	PTC0100	**PTC/1/00** (50 poles)	PTC0100
Rated current carrying capacity of jumper	(A)	**17,5**		**17,5**		**17,5**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFH/1**	DH01..	**DFH/2**	DH02..	**DFH/3**	DH03..
Cross connection barrier	red	**DFM/500**	DF500	**DFM/500**	DF500	**DFM/500**	DF500
Test plug socket		-		-		-	
Test plug		-		-		-	
Modular test plug		**SDH/4-SDH/4P**	DH004-DH04P	**SDH/4-SDH/4P**	DH004-DH04P	**SDH/4-SDH/4P**	DH004-DH04P
End section for modular test plug		**SH4/PT**	DH401	**SH4/PT**	DH401	**SH4/PT**	DH401
Numbering strip		**SHZ/1**	SH004	**SHZ/1**	SH004	**SHZ/1**	SH004
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	-		-		-	
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 and beige RAL 1001 colours) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
630	630		320	630	630

*The **/GR** tag indicates the grey colour version.*

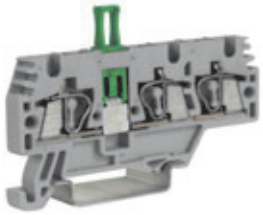
NEW grey version	HMM.2/GR Cat. No. **HM500GR**	HMM.2/1+2/GR Cat. No. **HM510GR**	HMM.2/2+2/GR Cat. No. **HM520GR**
(Ex)i version	HMM.2 (Ex)i Cat. No. **HI500**	HMM.2/1+2 (Ex)i Cat. No. **HI510**	HMM.2/2+2 (Ex)i Cat. No. **HI520**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through, 1 input and 2 outputs	feed-through, 2 inputs and 2 outputs
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3	800 V / 24 A / A3	800 V / 24 A / A3
rated voltage / rated current / AWG UL	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13	13
height / width / thickness TH/35 7,5 mm	41 / 50 / 5,2	41 / 66 / 5,2	41 / 82 / 5,2
height / width / thickness TH/35 15 mm	49 / 50 / 5,2	49 / 66 / 5,2	49 / 82 / 5,2
height / width / thickness G32	-	-	-
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR

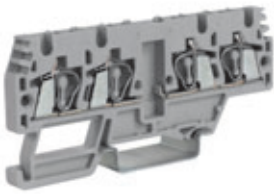
ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMT.2/PT/GR**	HM501GR	**HMT.2/1+2/PT/GR**	HM511GR	**HMT.2/2+2/PT/GR**	HM521GR
	blue	**HMT.2/PT (Ex)i**	HI501	**HMT.2/1+2/PT (Ex)i**	HI511	**HMT.2/2+2/PT (Ex)i**	HI521
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles	PTC0302	**PTC/03/02** poles	PTC0302	**PTC/03/02** poles	PTC0302
		PTC/03/03 poles	PTC0303	**PTC/03/03** poles	PTC0303	**PTC/03/03** poles	PTC0303
		PTC/03/05 poles	PTC0305	**PTC/03/05** poles	PTC0305	**PTC/03/05** poles	PTC0305
		PTC/03/10 poles	PTC0310	**PTC/03/10** poles	PTC0310	**PTC/03/10** poles	PTC0310
		PTC/03/00 (47 poles)	PTC0300	**PTC/03/00** (47 poles)	PTC0300	**PTC/03/00** (47 poles)	PTC0300
Rated current carrying capacity of jumper	(A)	**24**		**24**		**24**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFH/1**	DH01..	**DFH/2**	DH02..	**DFH/3**	DH03..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		**SDH/5**	DH005	**SDH/5**	DH005	**SDH/5**	DH005
End section for modular test plug		**SH5/PT**	DH501	**SH5/PT**	DH501	**SH5/PT**	DH501
Numbering strip		**SHZ/2**	SH001	**SHZ/2**	SH001	**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

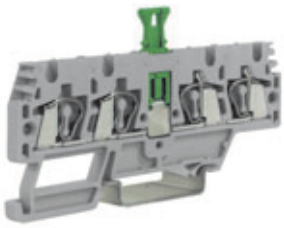
HMM Series

with polyamide insulating body

- UL94V-0
- disconnect by lever
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions, where indicated







*The **/GR** tag indicates the grey colour version.*

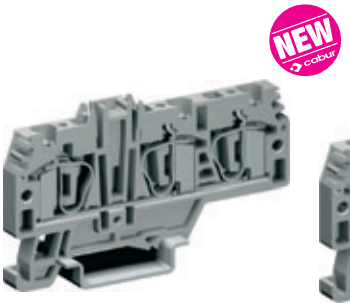
NEW grey version	HMM.2/1+2/S/GR Cat. No. **HMS20GR**	HMM.2/2+2/A/GR Cat. No. **HM170GR**	HMM.2/2+2/S/GR Cat. No. **HMS10GR**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect, 1 input and 2 outputs	disconnect (open), 2 inputs and 2 outputs	disconnect, 2 inputs and 2 outputs
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 16 A / A3	400 V / 16 A / A3	400 V / 16 A / A3
rated voltage / rated current / AWG UL	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	13	13	13
height / width / thickness TH/35 7,5 mm	48 / 66 / 5,2	37 / 82 / 5,2	48 / 82 / 5,2
height / width / thickness TH/35 15 mm	56 / 66 / 5,2	45 / 82 / 5,2	56 / 82 / 5,2
height / width / thickness G32	-	-	-
APPROVALS	c UL us, KEMA KEUR, UL BR	c UL us, KEMA KEUR, Enel Distribuzione DV 25/5, UL BR	c UL us, KEMA KEUR, Enel Distribuzione DV 25/6, UL BR

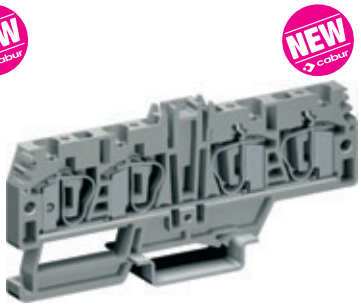
ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMT.2/1+2/PT/GR**	HM511GR	**HMT.2/2+2/PT/GR**	HM521GR	**HMT.2/2+2/PT/GR**	HM521GR
	beige	-		-		-	
	blue	-		-		-	
Permanent cross connection		-		-		-	
Rated current carrying capacity of jumper	(A)	-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFH/2**	DH02..	**DFH/3**	DH03..	**DFH/3**	DH03..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		**SDH/5**	DH005	**SDH/5**	DH005	**SDH/5**	DH005
End section for modular test plug		**SH5/PT**	DH501	**SH5/PT**	DH501	**SH5/PT**	DH501
Numbering strip		**SHZ/2**	SH001	**SHZ/2**	SH001	**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

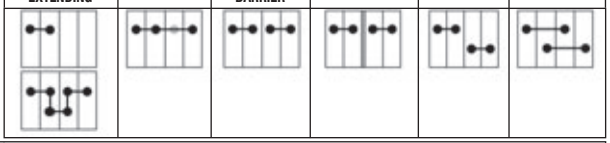
HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions





PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					

Terminal block	Jumper	Insulation voltage in the above configurations (V)					
HMM.4	PTC/5	500	500		500	500	500

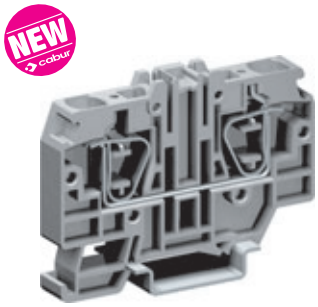
*The **/GR** tag indicates the grey colour version.*

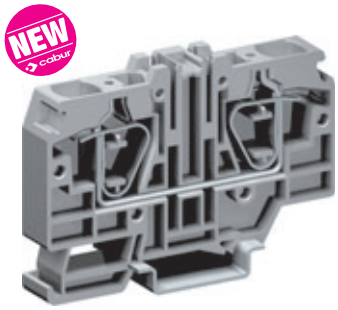
grey version		**HMM.4/GR** Cat. No. **HM250GR**	**HMM.4/1+2/GR** Cat. No. **HM210GR**	**HMM.4/2+2/GR** Cat. No. **HM220GR**
(Ex)i version		**HMM.4 (Ex)i** Cat. No. **HI250**	**HMM.4/1+2 (Ex)i** Cat. No. **HI210**	**HMM.4/2+2 (Ex)i** Cat. No. **HI220**
TECHNICAL CHARACTERISTICS				
function / type		feed-through	feed-through 1 input and 2 outputs	feed-through 2 inputs and 2 outputs
rated cross-section	(mm²)	4	4	4
connecting capacity				
flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 32 A / A4	800 V / 32 A / A4	800 V / 32 A / A4
rated voltage / rated current / AWG	UL	600 V / 30 A / 24-10 AWG	-	-
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length	(mm)	17	17	17
height / width / thickness	TH/35 7,5 mm	45 / 58 / 6,2	45 / 78 / 6,2	45 / 98 / 6,2
height / width / thickness	TH/35 15 mm	52 / 58 / 6,2	52 / 78 / 6,2	52 / 98 / 6,2
height / width / thickness	G32	-	-	-
APPROVALS				
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	**HMT.4/PT/GR** HM251GR	**HMT.4/1+2/PT/GR** HM211GR	**HMT.4/2+2/PT/GR** HM221GR
	blue	**HMT.4/PT (Ex)i** HI251	**HMT.4/1+2/(Ex)i** HI211	**HMT.4/2+2/(Ex)i** HI221
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/5/02** poles PTC0502	**PTC/5/02** poles PTC0502	**PTC/5/02** poles PTC0502
		PTC/5/03 poles PTC0503	**PTC/5/03** poles PTC0503	**PTC/5/03** poles PTC0503
		PTC/5/05 poles PTC0505	**PTC/5/05** poles PTC0505	**PTC/5/05** poles PTC0505
		PTC/5/10 poles PTC0510	**PTC/5/10** poles PTC0510	**PTC/5/10** poles PTC0510
		PTC/5/00 (40 poles) PTC0500	**PTC/5/00** (40 poles) PTC0500	**PTC/5/00** (40 poles) PTC0500
Rated current carrying capacity of jumper	(A)	**32**	**32**	**32**
Cross-connection identification strip (100 mm)	green	**PTC/SP** PTC0990	**PTC/SP** PTC0990	**PTC/SP** PTC0990
Multiple common bar	250 mm	-	-	-
Shunting screw and sleeve		-	-	-
Coloured partition	red, green, white	**DFH/1** DH01..	**DFH/4** DH04..	**DFH/4** DH04..
Cross connection barrier	red	-	-	-
Test plug socket		-	-	-
Test plug		**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Modular test plug		**SDH/6** DH006	**SDH/6** DH006	**SDH/6** DH006
End section for modular test plug		**SH6/PT** DH601	**SH6/PT** DH601	**SH6/PT** DH601
Numbering strip		**SHZ/4** SH002	**SHZ/4** SH002	**SHZ/4** SH002
Screwdriver for the activation of the spring		**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02
Warning plate	on adjacent terminal blocks	-	-	-
Marking tag	printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
End bracket		**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
		BTO BT007	**BTO** BT007	**BTO** BT007
		BT/3 for PR/3 only BT003	**BT/3** for PR/3 only BT003	**BT/3** for PR/3 only BT003
Mounting rail according to IEC 60715 Std.		-	-	-
		PR/3/AC of steel PR003	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003
		PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

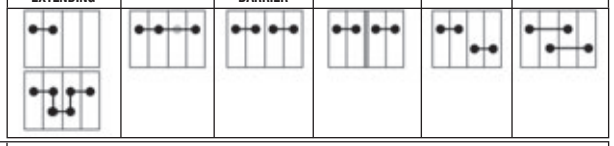
HMM Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- available in standard (grey RAL 7042 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions





PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					

Morsetto	Ponte	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1					
HMM.6	PTC/8	500	500		500	500	500
HMM.10 (HMM.16)	PTC/11 (/16)	1000	1000		800	1000	800

*The **/GR** tag indicates the grey colour version.*

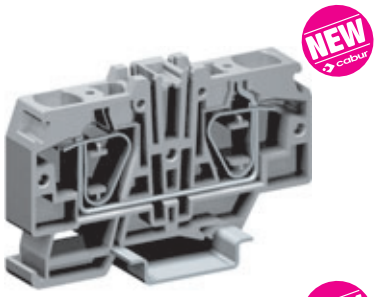
	HMM.6/GR Cat. No. HM320GR	HMM.10/GR Cat. No. HM330GR	HMM.16/GR Cat. No. HM340GR
grey version			
(Ex)i version	**HMM.6 (Ex)i Cat. No. HI320**	**HMM.10 (Ex)i Cat. No. HI330**	**HMM.16 (Ex)i Cat. No. HI340**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	6	10	16
connecting capacity			
flexible (mm²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 41 A / A5	1000 V / 57 A / A6	1000 V / 76 A / A7
rated voltage / rated current / AWG UL	600 V / 41 A / 24-8 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	18	18	18
height / width / thickness TH/35 7,5 mm	44 / 62 / 8,2	53 / 71 / 10	56 / 80 / 12
height / width / thickness TH/35 15 mm	52 / 62 / 8,2	61 / 70 / 10	64 / 80 / 12
height / width / thickness G32	-	-	-
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/1, Enel Distribuzione DV 25/1, UL BR	KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL TERNA pending	KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL TERNA pending

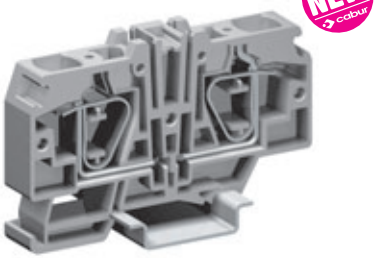
ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMT.6/PT/GR**	HM321GR	**HMT.10/PT/GR**	HM331GR	**HMT.16/PT/GR**	HM341GR
	blue	**HMT.6/PT (Ex)i**	HI321	**HMT.10/PT (Ex)i**	HI331	**HMT.16/PT (Ex)i**	HI341
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/8/02** poles	PTC0802	**PTC/11/02** poles	PTC1102	**PTC/16/02** poles	PTC1602
		PTC/8/03 poles	PTC0803	**PTC/11/03** poles	PTC1103	**PTC/16/03** poles	PTC1603
		PTC/8/05 poles	PTC0805	**PTC/11/05** poles	PTC1105	**PTC/16/05** poles	PTC1605
		PTC/8/10 poles	PTC0810	**PTC/11/10** poles	PTC1110	**PTC/16/10** poles	PTC1610
		PTC/8/00 (30 poles)	PTC0800	**PTC/11/00** (25 poles)	PTC1100	**PTC/16/00** (20 poles)	PTC1600
Rated current carrying capacity of jumper	(A)	**41**		**57**		**76**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFH/1**	DH01..	**DFH/4**	DH04..	**DFH/4**	DH04..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		-		-		-	
End section for modular test plug		-		-		-	
Numbering strip		**SHZ/6**	SH003	**SNZ/10**	SN...	-	
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/4**	CCH02	**CCH/4**	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
				CNU/10	NU...	**CNU/10**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

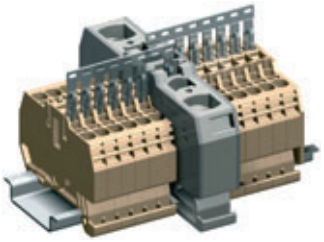
H Series

Voltage supply terminal blocks

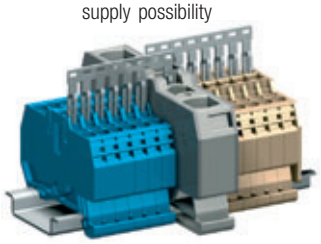
- UL94V-0
- 16 mm²
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 colour
- can be connected with HMM.2, HMM.2/1+2, HMM.2/2+2, HMS.2, HMFA.2, HMM.4, HMM.4/1+2, HMM.4/2+2, HMM.6







Terminal blocks with double voltage supply possibility



(*) value referred to the terminal and not to the potential distributor

*The **/GR** tag indicates the grey colour version.*

	HMR.16/GR Cat. No. **HM350GR**	HMR.16/D/GR Cat. No. **HM360GR**
single power supply version		
double power supply version		
TECHNICAL CHARACTERISTICS		
function / type	potential distributor	
rated cross-section (mm²)	16	
connecting capacity		
flexible (mm²)	1,5 ÷ 25	
rigid (mm²)	1,5 ÷ 25	
max. flexible with ferrule (mm²)-ferrule type	16 - WP160/22	
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 76 A (*) / A7	
rated voltage / rated current / AWG UL	-	
rated impulse withstand voltage / pollution degree	12 KV / 3	
insulation stripping length (mm)	18	
height / width / thickness TH/35 7,5 mm	50 / 80 / 12,8	
height / width / thickness TH/35 15 mm	57 / 80 / 12,8	
height / width / thickness G32	-	

APPROVALS

KEMA-KEUR, UL and cUL pending

ACCESSORIES		Type	Cat. No.
End sections	grey	see table	
Permanent cross connection		see table	
Rated current carrying capacity of jumper	(A)	see table	
Cross-connection identification strip (100 mm)	green	-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFH/4**	DH04..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		**SDD/1**	DD001
Numbering strip		-	
Screwdriver for the activation of the spring		**CCH/4**	CCH02
Warning plate	on adjacent terminal blocks	-	
Marking tag	printed or blank	**CNU/8** **CNU/10**	NU... NU...
End bracket		**BTU** for PR/DIN and PR/3 **BTO** **BT/3** for PR/3 only	BT005 BT007 BT003
Mounting rail according to IEC 60715 Std.		-	
		PR/3/AC of steel **PR/3/AS** same with slots	PR003 PR005

Terminal block connected to supply terminal	End sections		Permanent cross connection (**)		
	Type	Cat. No.	Type	Cat. No.	Total capacity
HMM.2 **HMM.2/1+2** **HMM.2/2+2** **HMS.2** **HMFA.2**	HMR.16-2/PT/GR	HM352GR	PTC/03/02 poles PTC/03/03 poles PTC/03/05 poles PTC/03/10 poles PTC/03/00 (47 poles)	PTC0302 PTC0303 PTC0305 PTC0310 PTC0300	24 A
HMM.4 **HMM.4/1+2** **HMM.4/2+2**	HMR.16-4/PT/GR	HM354GR	PTC/05/02 poles PTC/05/03 poles PTC/05/05 poles PTC/05/10 poles PTC/05/00 (40 poles)	PTC0502 PTC0503 PTC0505 PTC0510 PTC0500	32 A
HMM.6	HMR.16-6/PT/GR	HM356GR	PTC/08/02 poles PTC/08/03 poles PTC/08/05 poles PTC/08/10 poles PTC/08/00 (30 poles)	PTC0802 PTC0803 PTC0805 PTC0810 PTC0800	41 A

(**) In order to enable the connection to the supply terminal the second pin must be always removed from the strip of the PTC jumper.

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- for earth connection with yellow/green insulating body

yellow/green version	HTE.1 Cat. No. HT400	HTE.1/1+2 Cat. No. HT410	HTE.1/2+2 Cat. No. HT420
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm²)	1,5	1,5	1,5
connecting capacity			
flexible (mm²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
rigid (mm²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 2,5
max. flexible with ferrule (mm²)-ferrule type	1,5 - WP15/14	1,5 - WP15/14	1,5 - WP15/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / B2	- / - / B2	- / - / B2
rated voltage / rated current / AWG UL	- / - / 26-14 AWG	- / - / 26-14 AWG	- / - / 26-14 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	10	10	10
height / width / thickness TH/35 7,5 mm	43 / 50 / 4,2	43 / 61 / 4,2	43 / 65 / 4,2
height / width / thickness TH/35 15 mm	51 / 50 / 4,2	51 / 61 / 4,2	51 / 65 / 4,2
height / width / thickness G32	-	-	-
APPROVALS			
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**HMT.1/PT/GR** HM401GR	**HMT.1/1+2/PT/GR** HM411GR	**HMT.1/2+2/PT/GR** HM421GR
blue	-	-	-
Permanent cross connection	**PTC/1/02** poles PTC0102	**PTC/1/02** poles PTC0102	**PTC/1/02** poles PTC0102
	PTC/1/03 poles PTC0103	**PTC/1/03** poles PTC0103	**PTC/1/03** poles PTC0103
	PTC/1/05 poles PTC0105	**PTC/1/05** poles PTC0105	**PTC/1/05** poles PTC0105
	PTC/1/10 poles PTC0110	**PTC/1/10** poles PTC0110	**PTC/1/10** poles PTC0110
	PTC/1/00 (50 poles) PTC0100	**PTC/1/00** (50 poles) PTC0100	**PTC/1/00** (50 poles) PTC0100
Rated current carrying capacity of jumper (A)	**17,5**	**17,5**	**17,5**
Cross-connection identification strip (100 mm) green	**PTC/SP** PTC0990	**PTC/SP** PTC0990	**PTC/SP** PTC0990
Multiple common bar 250 mm	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition red, green, white	**DFH/1** DH01..	**DFH/2** DH02..	**DFH/3** DH03..
Cross connection barrier red	**DFM/500** DF500	**DFM/500** DF500	**DFM/500** DF500
Test plug socket	-	-	-
Test plug	-	-	-
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SHZ/1** SH004	**SHZ/1** SH004	**SHZ/1** SH004
Screwdriver for the activation of the spring	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02
Warning plate on adjacent terminal blocks	-	-	-
Marking tag printed or blank	-	-	-
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BTO BT007	**BTO** BT007	**BTO** BT007
	BT/3 for PR/3 only BT003	**BT/3** for PR/3 only BT003	**BT/3** for PR/3 only BT003
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel PR003	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003
	PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

HTE Series

with polyamide insulating body

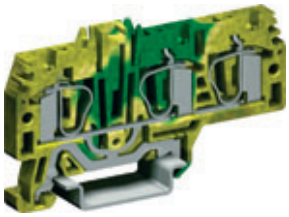
- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- for earth connection with yellow/green insulating body

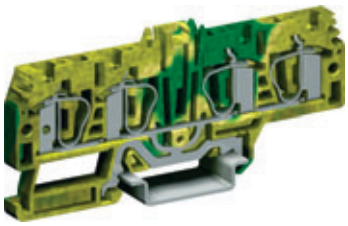
yellow/green version	HTE.2 Cat. No. HT500	HTE.2/1+2 Cat. No. HT510	HTE.2/2+2 Cat. No. HT520
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A3
rated voltage / rated current / AWG UL	- / - / 24-12 AWG	- / - / 24-12 AWG	- / - / 24-12 AWG
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13	13
height / width / thickness TH/35 7,5 mm	41 / 54 / 5,2	41 / 70 / 5,2	41 / 82 / 5,2
height / width / thickness TH/35 15 mm	49 / 54 / 5,2	49 / 70 / 5,2	49 / 82 / 5,2
height / width / thickness G32	-	-	-
APPROVALS			
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**HMT.2/PT/GR** HM501GR	**HMT.2/1+2/PT/GR** HM511GR	**HMT.2/2+2/PT/GR** HM521GR
blue	-	-	-
Permanent cross connection	**PTC/03/02** poles PTC0302	**PTC/03/02** poles PTC0302	**PTC/03/02** poles PTC0302
	PTC/03/03 poles PTC0303	**PTC/03/03** poles PTC0303	**PTC/03/03** poles PTC0303
	PTC/03/05 poles PTC0305	**PTC/03/05** poles PTC0305	**PTC/03/05** poles PTC0305
	PTC/03/10 poles PTC0310	**PTC/03/10** poles PTC0310	**PTC/03/10** poles PTC0310
	PTC/03/00 (47 poles) PTC0300	**PTC/03/00** (47 poles) PTC0300	**PTC/03/00** (47 poles) PTC0300
Rated current carrying capacity of jumper (A)	**24**	**24**	**24**
Cross-connection identification strip (100 mm) green	**PTC/SP** PTC0990	**PTC/SP** PTC0990	**PTC/SP** PTC0990
Multiple common bar 250 mm	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition red, green, white	**DFH/1** DH01..	**DFH/2** DH02..	**DFH/3** DH03..
Cross connection barrier red	-	-	-
Test plug socket	-	-	-
Test plug	**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SHZ/2** SH001	**SHZ/2** SH001	**SHZ/2** SH001
Screwdriver for the activation of the spring	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02
Warning plate on adjacent terminal blocks	-	-	-
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BTO BT007	**BTO** BT007	**BTO** BT007
	BT/3 for PR/3 only BT003	**BT/3** for PR/3 only BT003	**BT/3** for PR/3 only BT003
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel PR003	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003
	PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- for earth connection with yellow/green insulating body



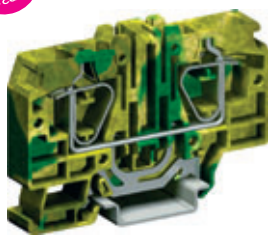


yellow/green version	HTE.4 Cat. No. HT250	HTE.4/1+2 Cat. No. HT260	HTE.4/2+2 Cat. No. HT270
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	earth	earth, 1 input and 2 outputs	earth, 2 inputs and 2 outputs
rated cross-section (mm²)	4	4	4
connecting capacity			
flexible (mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	4 - WP40/16	4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A4	- / - / A4	- / - / A4
rated voltage / rated current / AWG UL	- / - / 24-10 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	17	17	17
height / width / thickness TH/35 7,5 mm	45 / 58 / 6,2	45 / 78 / 6,2	45 / 98 / 6,2
height / width / thickness TH/35 15 mm	52 / 58 / 6,2	52 / 78 / 6,2	52 / 98 / 6,2
height / width / thickness G32	-	-	-
APPROVALS			
ACCESSORIES	**Type / Cat. No.**	**Type / Cat. No.**	**Type / Cat. No.**
End sections grey	**HMT.4/PT/GR** HM251GR	**HMT.4/1+2/PT/GR** HM211GR	**HMT.4/2+2/PT/GR** HM221GR
blue	-	-	-
Permanent cross connection	**PTC/5/02** poles PTC0502	**PTC/5/02** poles PTC0502	**PTC/5/02** poles PTC0502
	PTC/5/03 poles PTC0503	**PTC/5/03** poles PTC0503	**PTC/5/03** poles PTC0503
	PTC/5/05 poles PTC0505	**PTC/5/05** poles PTC0505	**PTC/5/05** poles PTC0505
	PTC/5/10 poles PTC0510	**PTC/5/10** poles PTC0510	**PTC/5/10** poles PTC0510
	PTC/5/00 (40 poles) PTC0500	**PTC/5/00** (40 poles) PTC0500	**PTC/5/00** (40 poles) PTC0500
Rated current carrying capacity of jumper (A)	**32**	**32**	**32**
Cross-connection identification strip (100 mm) green	**PTC/SP** PTC0990	**PTC/SP** PTC0990	**PTC/SP** PTC0990
Multiple common bar 250 mm	-	-	-
Shunting screw and sleeve	-	-	-
Coloured partition red, green, white	**DFH/1** DH01..	**DFH/1** DH01..	**DFH/1** DH01..
Cross connection barrier red	-	-	-
Test plug socket	-	-	-
Test plug	**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SHZ/4** SH002	**SHZ/4** SH002	**SHZ/4** SH002
Screwdriver for the activation of the spring	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02
Warning plate on adjacent terminal blocks	-	-	-
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BTO BT007	**BTO** BT007	**BTO** BT007
	BT/3 for PR/3 only BT003	**BT/3** for PR/3 only BT003	**BT/3** for PR/3 only BT003
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel PR003	**PR/3/AC** of steel PR003	**PR/3/AC** of steel PR003
	PR/3/AS same with slots PR005	**PR/3/AS** same with slots PR005	**PR/3/AS** same with slots PR005

HTE Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type
- for earth connection with yellow/green insulating body



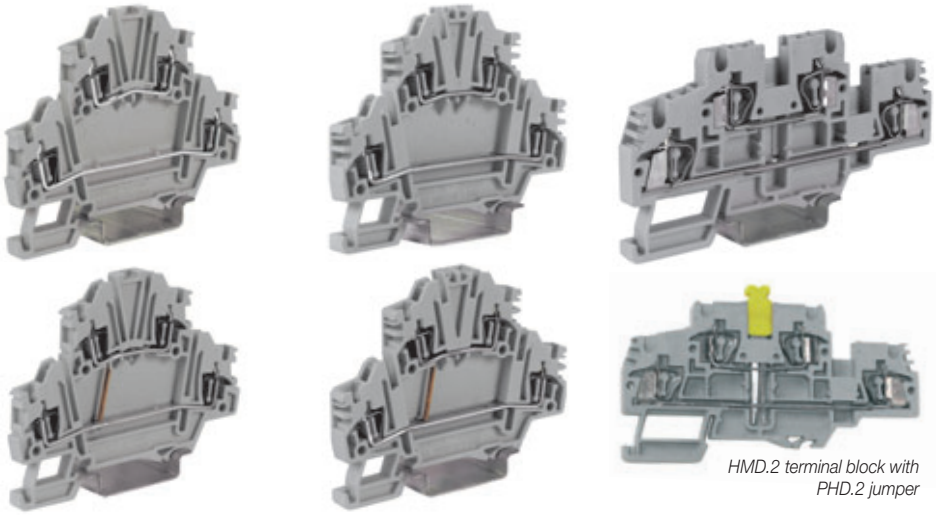
yellow/green version	HTE.6 Cat. No. HT310	HTE.10 Cat. No. HT330	HTE.16 Cat. No. HT340
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	earth	earth	earth
rated cross-section (mm²)	6	10	16
connecting capacity			
flexible (mm²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm²)	0,2 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A5	- / - / A6	- / - / A7
rated voltage / rated current / AWG UL	- / - / 24-8 AWG	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	18	18	18
height / width / thickness TH/35 7,5 mm	44 / 62 / 8,2	53 / 71 / 10	56 / 80 / 12
height / width / thickness TH/35 15 mm	52 / 62 / 8,2	61 / 70 / 10	64 / 80 / 12
height / width / thickness G32	-	-	-
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/7, Enel Distribuzione DV 25/7, UL BR	KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL TERNA pending	KEMA-KEUR, UL, cUL, ENEL Distribuzione and ENEL TERNA pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMT.6/PT/GR**	HM321GR	**HMT.10/PT**	HM331GR	**HMT.16/PT**	HM341GR
	blue	-		-		-	
Permanent cross connection		**PTC/8/02** poles	PTC0802	**PTC/11/02** poles	PTC1102	**PTC/16/02** poles	PTC1602
		PTC/8/03 poles	PTC0803	**PTC/11/03** poles	PTC1103	**PTC/16/03** poles	PTC1603
		PTC/8/05 poles	PTC0805	**PTC/11/05** poles	PTC1105	**PTC/16/05** poles	PTC1605
		PTC/8/10 poles	PTC0810	**PTC/11/10** poles	PTC1110	**PTC/16/10** poles	PTC1610
		PTC/8/00 (30 poles)	PTC0800	**PTC/11/00** (25 poles)	PTC1100	**PTC/16/00** (20 poles)	PTC1600
Rated current carrying capacity of jumper	(A)	**41**		**57**		**76**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFH/1**	DH01..	**DFH/4**	DH04..	**DFH/4**	DH04..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		-		-		-	
End section for modular test plug		-		-		-	
Numbering strip		**SHZ/6**	SH003	**SNZ/10**	SN005	-	
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/4**	CCH02	**CCH/4**	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
				CNU/10	NU...	**CNU/10**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

H Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- double possibility of PTC – "Easy Bridge" multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



detail of PTC jumper and DFM barrier with numbering

detail of composable test plug

HMD.2 terminal block with PHD.2 jumper

*The **/GR** tag indicates the grey colour version.*

Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams

NEW **grey version**	**HMD.1/GR** Cat. No. **HD200GR**	**HMD.2N/GR** Cat. No. **HD400GR**	**HMD.2/GR** Cat. No. **HD100GR**
(Ex)i version	**HMD.1 (Ex)i** Cat. No. **HD300**	**HMD.2N (Ex)i** Cat. No. **HD410**	
NEW **version with permanent internal connection**	**HMD.1/CI/GR** Cat. No. **HD120GR**	**HMD.2N/CI/GR** Cat. No. **HD450GR**	

TECHNICAL CHARACTERISTICS				
function / type		two-level feed-through	two-level feed-through	two-level feed-through
rated cross-section	(mm²)	1,5	2,5	2,5
connecting capacity				
flexible	(mm²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 4
rigid	(mm²)	0,2 ÷ 2,5	0,2 ÷ 2,5	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type		1,5 - WP15/14	1,5 - WP15/14	1,5 - WP15/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	500 V / 17,5 A / B2	630 V / 24 A / B2	800 V / 24 A / A3
rated voltage / rated current / AWG	UL	600 V / 15 A / 26-14 AWG	600 V / 15 A / 26-14 AWG	600 V / 20 A / 24-12 AWG
rated impulse withstand voltage / pollution degree		6 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length	(mm)	10	10	10
height / width / thickness	TH/35 7,5 mm	59 / 73 / 4,2	59 / 73 / 5,2	49 / 91 / 5,2
height / width / thickness	TH/35 15 mm	67 / 73 / 4,2	67 / 73 / 5,2	56 / 91 / 5,2
height / width / thickness	G32	-	-	-
APPROVALS		KEMA KEUR, c UL us, UL BR Approvals referred to HMD.1 standard version	KEMA KEUR, c UL us, UL BR Approvals referred to HMD.2N standard version	c UL us, KEMA KEUR, Lloyd's Register, UL BR

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMD.1/PT/GR**	HD201GR	**HMD.1/PT/GR**	HD201GR	**HMD/PT/GR**	HD101GR
	blue	**HMD.1/PT (Ex)i**	HI301	**HMD.1/PT (Ex)i**	HI301	-	
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/1/02** poles	PTC0102	**PTC/03/02** poles	PTC0302	**PH/2,5-4**	PH100
		PTC/1/03 poles	PTC0103	**PTC/03/03** poles	PTC0303	**PHD/2**	PHD02
		PTC/1/05 poles	PTC0105	**PTC/03/05** poles	PTC0305		
		PTC/1/10 poles	PTC0110	**PTC/03/10** poles	PTC0310		
		PTC/1/00 (50 poles)	PTC0100	**PTC/03/00** (50 poles)	PTC0300		
Rated current carrying capacity of jumper	(A)	**17,5**		**24**		**24**	
Cross-connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990	-	
Internal cross onnection (removable)		-		-		**PHD/2**	PHD02
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFU/07**	DU07..	**DFU/07**	DU07..	**DFH/4**	DH04..
Cross connection barrier	red	**DFM/500**	DF500	**DFM/500**	DF500	-	
Test plug socket		-		-		-	
Test plug		-		-		**SDD/1**	DD001
Modular test plug		**SDH/4-SDH/4P**	DH004-DH04P	**SDH/7**	DH007	-	
End section for modular test plug		**SH4/PT**	DH401	**SH7/PT**	DH701	-	
Numbering strip		**SHZ/1**	SH004	**SHZ/2**	SH001	**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	-		**CNU/8**	NU...	**CNU/8** (solo su piano inferiore)	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

H Series

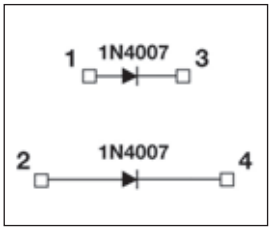
with polyamide insulating body

- UL94V-0
- versions suited to contain electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

(*) values referred to the insulation characteristics of the terminal block and to the connection unit

*The **/GR** tag indicates the grey colour version.*

NEW grey version		HMD.1/X/GR Cat. No. HD130GR	HMD.2N/X/GR Cat. No. HD440GR	HMD.2N/DD/GR Cat. No. HD420GR
		max. thickness of the mounted components: 3,4 mm	max. thickness of the mounted components: 3,9 mm	
TECHNICAL CHARACTERISTICS				
function / type		two level, arranged to contain electronic components	two level, arranged to contain electronic components	
rated cross-section	(mm^2)	1,5	2,5	
connecting capacity				
flexible	(mm^2)	0,2 ÷ 2,5	0,2 ÷ 2,5	
rigid	(mm^2)	0,2 ÷ 2,5	0,2 ÷ 2,5	
max. flexible with ferrule (mm^2)-ferrule type		1,5 - WP15/14	1,5 - WP15/14	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	500 V (*) / 17,5 A (*) / B2	630 V (*) / 24 A (*) / B2	
rated voltage / rated current / AWG	UL	-	-	
rated impulse withstand voltage / pollution degree		6 KV / 3 (*)	6 KV / 3 (*)	
insulation stripping length	(mm)	10	10	
height / width / thickness	TH/35 7,5 mm	59 / 73 / 4,2	59 / 73 / 5,2	
height / width / thickness	TH/35 15 mm	67 / 73 / 4,2	67 / 73 / 5,2	
height / width / thickness	G32	-	-	



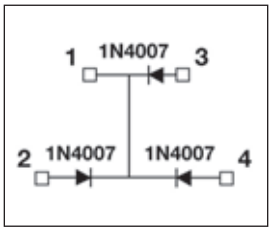
version equipped with two 1N4007 diodes in feed-through configuration for each level

APPROVALS

Approvals referred to HMD.1 standard version

Approvals referred to HMD.2N standard version

HMD.2/3DC/GR NEW Cat. No. HD430GR



version equipped with three 1N4007 diodes and shared cathode

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**HMD.1/PT/GR**	HD201GR	**HMD.1/PT/GR**	HD201GR
	beige	-		-	
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/1/02** poles	PTC0102	**PTC/03/02** poles	PTC0302
		PTC/1/03 poles	PTC0103	**PTC/03/03** poles	PTC0303
		PTC/1/05 poles	PTC0105	**PTC/03/05** poles	PTC0305
		PTC/1/10 poles	PTC0110	**PTC/03/10** poles	PTC0310
		PTC/1/00 (50 poles)	PTC0100	**PTC/03/00** (50 poles)	PTC0300
Rated current carrying capacity of jumper	(A)	**17,5**		**24**	
Multiple common bar	250 mm	-		-	
Shunting screw and sleeve		-		-	
Coloured partition	red, green, white	**DFU/7**	DU07..	**DFU/7**	DU07..
Cross connection barrier	red	**DFM/500**	DF500	**DFM/500**	DF500
Test plug socket		-		-	
Test plug		-		-	
Modular test plug		**SDH/4-SDH/4P**	DH004-DH04P	**SDH/7**	DH007
End section for modular test plug		**SH4/PT**	DH401	**SH7/PT**	DH701
Numbering strip		**SHZ/1**	SH004	**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Warning plate	on adjacent terminal blocks	-		-	
Marking tag	printed or blank	-		**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007	**BTO**	BT007
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

H Series

with polyamide insulating body

- UL94V-0
- version suited to house a connector / test plug as well as electronic components
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

detail of modular test plug / composable connector

*The **/GR** tag indicates the grey colour version.*

max. thickness of the mounted components: 3,9 mm

NEW	grey version	HMD.2N/X1/GR Cat. No. HD441GR
TECHNICAL CHARACTERISTICS		
function / type		two-level, upper feed-through and lower disconnect
rated cross-section	(mm²)	2,5
connecting capacity		
flexible	(mm²)	0,2 ÷ 2,5
rigid	(mm²)	0,2 ÷ 2,5
max. flexible with ferrule (mm²)-ferrule type		1,5 - WP15/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V / 24 A / B2
rated voltage / rated current / AWG	UL	-
rated impulse withstand voltage / pollution degree		8 KV / 3
insulation stripping length	(mm)	10
height / width / thickness	TH/35 7,5 mm	59 / 73 / 5,2
height / width / thickness	TH/35 15 mm	67 / 73 / 5,2
height / width / thickness	G32	-

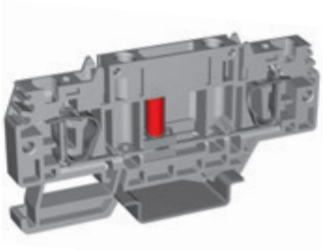
APPROVALS — KEMA-KEUR, UL and cUL pending

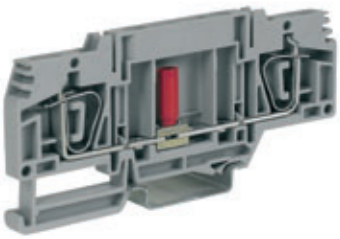
ACCESSORIES		Type	Cat. No.
End sections	grey	**HMD.1/PT/GR**	HD201GR
	beige	-	
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles	PTC0302
		PTC/03/03 poles	PTC0303
		PTC/03/05 poles	PTC0305
		PTC/03/10 poles	PTC0310
		PTC/03/00 (47 poles)	PTC0300
Rated current carrying capacity of jumper	(A)	**24**	
Striscia di segnalazione ponte	100 mm	**PTC/SP**	PTC0990
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/7**	DU07..
Cross connection barrier	red	**DFM/500**	DF500
Test plug socket		-	
Test plug		-	
Modular test plug		**SDH/7**	DH007
End section for modular test plug		**SH7/PT**	DH701
Numbering strip		**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02
Warning plate	on adjacent terminal blocks	-	
Marking tag	printed or blank	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007
		BT/3 for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-	
		PR/3/AC of steel	PR003
		PR/3/AS same with slots	PR005

H Series

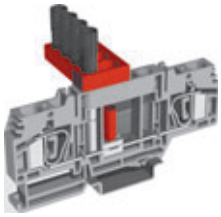
with polyamide insulating body

- UL94V-0
- disconnect by lever and by slide link
- for test and measurement circuits
- mounting onto PR/3 type rails according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated





Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams



Terminal block with short circuit plate and test plug

*The **/GR** tag indicates the grey colour version.*

NEW **grey version**	**HMS.2/GR** Cat. No. **HS200GR**	**HSCB.4/GR** Cat. No. **HB100GR**	**HSCB.6/GR** Cat. No. **HB200GR**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through, 1 input and 2 outputs	feed-through, 2 inputs and 2 outputs
rated cross-section (mm²)	2,5	4	6
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	4 - WP40/16	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V / 16 A / A3	800 V / 32 A / A4	800 V / 41 A / A5
rated voltage / rated current / AWG UL	600 V / 24 A / 24-12 AWG	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / recommended) (Nm)	-	6,2	8,2
height / width / thickness TH/35 7,5 mm	37 / 66 / 5,2	45 / 86 / 6,2	48 / 97 / 8,2
height / width / thickness TH/35 15 mm	45 / 66 / 5,2	53 / 86 / 6,2	56 / 97 / 8,2
height / width / thickness G32	-	-	-
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, Enel Distribuzione DV 25/6, UL BR	KEMA-KEUR, UL and cUL pending	KEMA KEUR, Enel Distribuzione DV 25; UL and cUL pending

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections grey	**HMT.2/1+2/PT/GR**	HM511GR	**HSCB.4/PT/GR**	HB101GR	**HSCB.6/PT/GR**	HB201GR
beige	-		**-**		**-**	
blue	-		-		-	
Permanent cross connection (intrinsically IPXXB protected once mounted)	**PTC/03/02** poles	PTC0302	**PTC/5/02** poles	PTC0502	**PTC/8/02** poles	PTC0802
	PTC/03/03 poles	PTC0303	**PTC/5/03** poles	PTC0503	**PTC/8/03** poles	PTC0803
	PTC/03/05 poles	PTC0305	**PTC/5/05** poles	PTC0505	**PTC/8/05** poles	PTC0805
	PTC/03/10 poles	PTC0310	**PTC/5/10** poles	PTC0510	**PTC/8/10** poles	PTC0810
	PTC/03/00 (47 poles)	PTC0300	**PTC/5/00** (40 poles)	PTC0500	**PTC/8/00** (30 poles)	PTC0800
Rated current carrying capacity of jumper (A)	**24**		**32**		**41**	
Cross-connection identification strip (100 mm) green	-		**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Diaframma separatore ponti	-		-		**DFM/500**	DF500
Internal cross connection	-		-		-	
Coloured partition red, green, white	**DFH/2**	DH02..	**DFH/4**	DH04..	-	
Test plug socket	-		-		**PSD/O**	PD017
Test plug	**SDD/1**	DD001	-		**SDD/1**	DD001
Modular test plug	**SDH/5**	DH005	**SDH/6**	DH006	-	
Numbering strip	**SHZ/2**	SH001	**SHZ/4**	SH004	**SHZ/6**	SH006
Conducting element	-		-		-	
End section for modular test plug	**SH5/PT**	DH501	**SH6/PT**	DH601	-	
Signal element	-		-		-	
Screwdriver for the activation of the spring	**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02	**CCH/6**	CCH06
Screw and sleeve for short circuit plates (with socket)	-		-		**HSCB/6/CPM**	HB205
Short-circuit plate between 2 adjoining terminal blocks	-		-		**HSCB/6/PO/2**	HB203
between 4 adjoining terminal blocks					**HSCB/6/PO/4**	HB204
Marking tag printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
End bracket	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
	BTO	BT007	**BTO**	BT007	**BTO**	BT007
	BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.	-		-		-	
	PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
	PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

H Series

with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

Please refer to the table on page 136 in order to detemine the insulation voltage of the different PTC connection diagrams

(*) value referred to the insulation characteristics of the terminal block

Max. dissipated power – In conf. with IEC 60947-7-3						
Terminal block	Voltage [V] (*)	Current [A]	Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PV) - [W]	Composite configuration (PV) - [W]
MPFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
DSFA.4 + CPF/5	250	6,3	1,6	1,6	4	1,6
HMFA.2 + CPF/5	250	6,3	1,6	1,6	4	1,6

*The **/GR** tag indicates the grey colour version.*

NEW grey version	HMFA.2/GR Cat. No. **HF300GR**	CPF/5 Cat. No. **CPF05**
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	for blade fuse and component-holder cartridge	component-holder cartridge
rated cross-section (mm²)	2,5	-
connecting capacity		
flexible (mm²)	0,2 ÷ 4	-
rigid (mm²)	0,2 ÷ 4	-
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	400 V (*) / 6,3 A / A3	320 V (a) / 6,3 A (a) / A5
rated voltage / rated current / AWG UL	-	-
(Ex e) rated voltage / (V)	-	-
rated impulse withstand voltage / pollution degree	4 KV (*) / 3	4 KV / 3
insulation stripping length (mm)	11	-
tightening torque value (test / recommended) (Nm)	-	-
height / width / thickness TH/35 7,5 mm	41 / 66 / 5,2	(b) / 33 / 6
height / width / thickness TH/35 15 mm	49 / 66 / 5,2	(b) / 33 / 6
height / width / thickness G32	- / - / -	(b) / 33 / 6
APPROVALS	KEMA KEUR	c UL us KEMA KEUR

The cartridge can contain a spare fuse, instead of the LED signalling circuit.

ACCESSORIES		Type	Cat. No.
End sections	grey	**HMT.2/1+2/PT/GR**	HM511GR
	beige	-	
	blue	-	
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles	PTC0302
		PTC/03/03 poles	PTC0303
		PTC/03/05 poles	PTC0305
		PTC/03/10 poles	PTC0310
		PTC/03/00 (47 poles)	PTC0300
Rated current carrying capacity of jumper	(A)	**24**	
Increased pitch jumper		-	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFH/2**	DH02..
Cross connection barrier	red	-	
Test plug socket		-	
Test plug		**SDD/1**	DD001
Modular test plug		**SDH/5**	DH005
End section for modular test plug		**SH5/PT**	DH501
Blade fuses	In = 2 A	**F32/2**	FN03202
acc. to DIN 72581/3F ISO 8820	In = 5 A	**F32/5**	FN03205
- max voltage 32 V	In = 7,5 A	**F32/7**	FN03207
	In = 15 A	**F32/15**	FN03215
Signal element		-	
Numbering strip		**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02
Marking tag	printed or blank	**CNU/8**	NU...
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007
		BT/3 for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-	
		PR/3/AC of steel	PR003
		PR/3/AS same with slots	PR005

ACCESSORIES		Type	Cat. No.
Marking tag	printed or blank	**CNU/8**	NU...
Tinned brass conductor	Ø 5 x 20 mm	**CO/5**	VL103
Cartridge / insert with 1 A diode		**SFR/I1A** (with 1 A diode)	SF992
Cartridge / insert with 3 A diode		**SFR/I3A** (with 3 A diode)	SF993

OUTFITTED VERSIONS		Type	Cat. No.
With non-polarized LED microcircuit	12 Vdc / Vac	**CPF/5L12**	CPF512
With non-polarized LED microcircuit	24 Vdc / Vac	**CPF/5L24**	CPF524
With non-polarized LED microcircuit	48 Vdc / Vac	**CPF/5L48**	CPF548
With non-polarized LED microcircuit	115 Vdc / Vac	**CPF/5L115**	CPF511
With non-polarized LED microcircuit	230 Vdc / Vac	**CPF/5L230**	CPF523
With 1 A diode (1N4001 ÷ 1N4007 types)		**CPF/5D1A**	CPF501
With 3 A diode (BY255 type)		**CPF/5D3A**	CPF503
With resistor 1200 Ω (1 W ± 5%)		**CPF/5R**	CPR05

When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

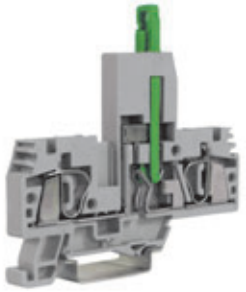
Note:

(a) with fuse ø 5 x 20 mm, 250 V, Imax = 6,3 A – with brass pin Imax = 10 A
(b) total value, when the cartridge is mounted on terminals, including the mounting rail

H Series

with polyamide insulating body

- for blade fuse (acc. to DIN 72581/3F – ISO 8820) and Ø 5 x 20 mm fuses (fuses supplied separately)
- with possibility of cross connection
- mounting onto PR/3 type rails – according to IEC 60715 Std., "TH/35" type
- available in standard (grey RAL 7042 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated



for Ø 5 x 20 mm fuse

for Ø 5 x 20 mm fuse

Possibility of the insertion of a LSH type indicator (for 12, 24, 48, 115 or 230 V), supplied also separately, equipped with a red coloured LED. The blow-out of the fuse determines the ignition of the LED, with a current flow of approximately 2 mA in a.c. or 5 mA in d.c.

(*) value referred to the insulation characteristics of the terminal block
(**) separate configuration conf. to IEC 60947-7-3

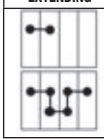
*The **/GR** tag indicates the grey colour version.*

NEW	**grey version**	**HMF.4/GR** Cat. No. **HF110GR**	**HMF.4/L12/GR** Cat. No. **HF212GR** **HMF.4/L24/GR** Cat. No. **HF224GR** **HMF.4/L48/GR** Cat. No. **HF248GR**
	(Ex)i version		
	TECHNICAL CHARACTERISTICS		
function / type		for Ø 5 x 20 mm fuse	for fuse and LED circuit
rated cross-section	(mm²)	4	4
connecting capacity			
flexible	(mm²)	0,2 ÷ 6	0,2 ÷ 6
rigid	(mm²)	0,2 ÷ 6	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type		4 - WP40/16	4 - WP40/16
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	630 V (*) / 6,3 A (20 A con CO/5) / A4	630 V (*) / 6,3 A (20 A con CO/5) / A4
rated voltage / rated current / AWG	UL	600 V / 20 A / 24-10 AWG	-
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	-	-
rated impulse withstand voltage / pollution degree		6 KV / 3	6 KV / 3
insulation stripping length	(mm)	13	13
tightening torque value (test / recommended)	(Nm)	-	-
height / width / thickness	⊓⊔ TH/35 7,5 mm	68 / 80 / 8	68 / 80 / 8
height / width / thickness	⊓⊔ TH/35 15 mm	76 / 80 / 8	76 / 80 / 8
height / width / thickness	⊏⊐ G32	- / - / -	- / - / -
	APPROVALS	KEMA KEUR, c UL us, Enel Distribuzione DV 25/6, UL BR	Approvals referred to standard version
	ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	**HMF/PT/GR** HF111GR	-
	beige	-	-
	blue	-	-
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PH/2,5-4** PH100	**PH/2,5-4** PH100
Rated current carrying capacity of jumper	(A)	**32**	**32**
Jumper with inreased pitch		**PHM/2,5-4** PHM01	**PHM/2,5-4** PHM01
Multiple common bar	250 mm	-	-
Shunting screw and sleeve		-	-
Coloured partition	red, green, white	**DFH/4** DH04..	**DFH/4** DH04..
Cross connection barrier	red	-	-
Test plug socket		-	-
Test plug		**SDD/1** DD001	**SDD/1** DD001
Modular test plug		-	-
End section for modular test plug		-	-
Blade fuses	In = 2 A	-	-
acc. to DIN 72581/3F ISO 8820	In = 5 A	-	-
- max voltage 32 V	In = 7,5 A	-	-
	In = 15 A	-	-
Signal element		**LSH/**** (according to voltage) LS...	-
Numbering strip		**SHZ/6** SH003	**SHZ/6** SH003
Screwdriver for the activation of the spring		**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02
Marking tag	printed or blank	**CNU/8** NU...	**CNU/8** NU...
End bracket		**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003
Mounting rail according to IEC 60715 Std.	⊏⊐	-	-
	⊓⊔	**PR/3/AC** of steel PR003 **PR/3/AS** same with slots PR005	**PR/3/AC** of steel PR003 **PR/3/AS** same with slots PR005

H Series

with polyamide insulating body

- for 5.08 mm pitch female connectors - on two levels
- mounting onto PR/3 type rails – according to IEC 60715 Std., "TH/35" type
- double possibility to house PTC – "easy bridge" multi-pole cross connection, on each level
- available in standard (grey RAL 7042 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
320	320		320	320	320

*The **/GR** tag indicates the grey colour version.*

NEW grey version	HCD.1/GR Cat. No. HC200GR
(Ex)i version	**HCD.1 (Ex)i Cat. No. HC210**
TECHNICAL CHARACTERISTICS	
function / type	2 level feed-through with 2 screw connections and 2 pins for connectors
rated cross-section (mm²)	1,5
connecting capacity	
flexible (mm²)	0,2 ÷ 2,5
rigid (mm²)	0,2 ÷ 2,5
max. flexible with ferrule (mm²)-ferrule type	1,5 - WP15/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	320 V / 12 A / B2
rated voltage / rated current / AWG UL	300 V / 12 A / 26-14 AWG
(Ex e) rated voltage / (V)	-
rated impulse withstand voltage / pollution degree	6 KV / 3
insulation stripping length (mm)	10
tightening torque value (test / recommended) (Nm)	-
height / width / thickness TH/35 7,5 mm	59 / 72 / 5,08
height / width / thickness TH/35 15 mm	67 / 72 / 5,08
height / width / thickness G32	- / - / -
APPROVALS	KEMA KEUR c UL us

detail of PTC jumper with DFM/500 barriers, SNZ/508 numbering strips and VPC/VT lug protection covers

detail with 5.08 mm female connectors inserted on the two levels and the lug protection covers raised

ACCESSORIES		**Type**	**Cat. No.**
End sections	grey	**HCD.1/PT/GR**	HC201GR
	beige	-	
	blue	**HCD.1/PT(Ex)i**	HC211
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/2/02** poles	PTC0202
		PTC/2/03 poles	PTC0203
		PTC/2/05 poles	PTC0205
		PTC/2/10 poles	PTC0210
		PTC/2/00 (50 poles)	PTC0200
Rated current carrying capacity of jumper	(A)	**24**	
Multiple common bar	250 mm	-	
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/7**	DU07..
Cross connection barrier	red	**DFM/500**	DF500
Test plug socket		-	
Test plug		-	
Modular test plug		-	
End section for modular test plug		-	
Lug protection cover	10 poles	**VPC/VT**	VP102
Numbering strip		**SNZ/508**	SN009
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02
Marking tag	printed or blank	**CNU/8**	NU...
End bracket		**BTO**	BT007
		-	
		BT/3 for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-	
		PR/3/AC of steel	PR003
		PR/3/AS same with slots	PR005

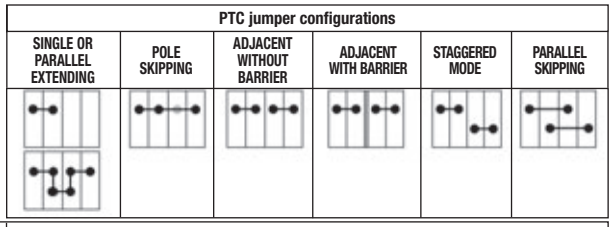
Female connectors, 90° - 5.08 mm pitch and with a number of poles from 2 to 16, are available. The connector can be easily inserted until it reaches its blocking position, guaranteeing optimum connection onto the male contact. In such a position the connector is hooked onto the insulating body of the terminal block by means of a tooth, of which it is equipped.

VPC/F02	- 2 poles	Cat. No.	**VP902**
VPC/F03	- 3 poles	Cat. No.	**VP903**
VPC/F04	- 4 poles	Cat. No.	**VP904**
VPC/F05	- 5 poles	Cat. No.	**VP905**
VPC/F06	- 6 poles	Cat. No.	**VP906**
VPC/F07	- 7 poles	Cat. No.	**VP907**
VPC/F08	- 8 poles	Cat. No.	**VP908**
VPC/F09	- 9 poles	Cat. No.	**VP909**
VPC/F10	-10 poles	Cat. No.	**VP910**
VPC/F11	-11 poles	Cat. No.	**VP911**
VPC/F12	-12 poles	Cat. No.	**VP912**
VPC/F13	-13 poles	Cat. No.	**VP913**
VPC/F14	-14 poles	Cat. No.	**VP914**
VPC/F15	-15 poles	Cat. No.	**VP915**
VPC/F16	-16 poles	Cat. No.	**VP916**

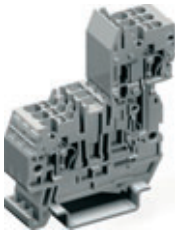
H Series

with polyamide insulating body

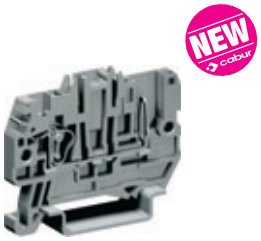
- spring system with connector plug (patented)
- Easy Bridge cross connection system (patented)
- available in grey RAL 7042 colour



Terminal block	Jumper	Insulation voltage in the above configurations (V) acc. to IEC 60947-7-1					
HVPC.2/GR	PTC/03	500	500		500 (*)	500	500
CHP.2(D)/GR	PTC/03	500 (630)	500		400 (*)	-	-



SOME EXAMPLES OF CONNECTORS MOUNTED ON THE RELEVANT TERMINAL BLOCK



*The **/GR** tag indicates the grey colour version.*

(*) with end plate interposed also on the connector (**) dimensions with inserted connector

NEW grey version	HVPC.2/GR Cat. No. **HVP300GR**	CHP.2/GR Cat. No. **HVP900GR**	CHP.2D/GR Cat. No. **HVP910GR**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	spring type for connectors	female connector for one conductor	female connector for two conductors
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3	500 V / 24 A / A3	500 V / 24 A / A3
rated voltage / rated current / AWG UL	-	-	-
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / recommended) (Nm)	-	-	-
height / width / thickness ⊐⊏ TH/35 7,5 mm	41 / 50 / 5,2	67 (**) / 58 (**) / 5,2	67 (**) / 58 (**) / 5,2
height / width / thickness ⊏⊐ TH/35 15 mm	49 / 50 / 5,2	75 (**) / 58 (**) / 5,2	75 (**) / 58 (**) / 5,2
height / width / thickness ⊏⊐ G32	- / - / -	-	-
APPROVALS	KEMA-KEUR, UL and cUL pending	KEMA-KEUR, UL and cUL pending	KEMA-KEUR, UL and cUL pending

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	grey blue	**HVPC.2/PT/GR**	HVP301GR	**CHP.2/PT/GR**	HVP901GR	**CHP.2D/PT/GR**	HVP911GR
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles **PTC/03/03** poles **PTC/03/05** poles **PTC/03/10** poles **PTC/03/00** (47 poles)	PTC0302 PTC0303 PTC0305 PTC0310 PTC0300	**PTC/03/02** poles **PTC/03/03** poles **PTC/03/05** poles **PTC/03/10** poles **PTC/03/00** (47 poles)	PTC0302 PTC0303 PTC0305 PTC0310 PTC0300	**PTC/03/02** poles **PTC/03/03** poles **PTC/03/05** poles **PTC/03/10** poles **PTC/03/00** (47 poles)	PTC0302 PTC0303 PTC0305 PTC0310 PTC0300
Rated current carrying capacity of jumper	(A)	**24**		**24**		**24**	
Cross connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFH/1**	DH01..	**DFH/1**	DH01..	**DFH/1**	DH01..
Cross connection barrier	red	-		-		-	
Test plug socket		-		-		-	
Test plug		**SDD/1**	DD001	**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		**SDH/5**	DH005	**SDH/5**	DH005	**SDH/5**	DH005
End section for modular test plug		**SH5/PT**	DH501	**SH5/PT**	DH501	**SH5/PT**	DH501
Lug protection cover	10 poles	-		-		-	
Numbering strip		**SHZ/2**	SH1..	-		-	
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Marking tag	printed or blank	**CNU/8** **CNU/10**	NU... NU...	**CNU/8** **CNU/10**	NU... NU...	**CNU/8** **CNU/10**	NU... NU...
End bracket		**BTU** for PR/DIN and PR/3 **BTO** **BT/3** for PR/3 only	BT005 BT007 BT003	-		-	
Mounting rail according to IEC 60715 Std.	⊏⊐	-		-		-	
	⊐⊏	**PR/3/AC** of steel **PR/3/AS** same with slots	PR003 PR005	-		-	

H Series

with polyamide insulating body

- spring system with connector plug for earth connections (patented)
- Easy Bridge cross connection system (patented)

SOME EXAMPLES OF CONNECTORS MOUNTED ON THE RELEVANT TERMINAL BLOCK

(**) dimensions with inserted connector

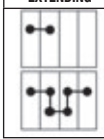
yellow/green version	HVTE.2 Cat. No. HVT500	CHTE.2 Cat. No. HVT900	CHTE.2D Cat. No. HVT910
TECHNICAL CHARACTERISTICS			
function / type	earth spring type for connectors	female connector for one conductor	female connector for two conductors
rated cross-section (mm²)	2,5	2,5	2,5
connecting capacity			
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A3
rated voltage / rated current / AWG UL	-	-	-
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / recommended) (Nm)	-	-	-
height / width / thickness TH/35 7,5 mm	41 / 50 / 5,2	67 (**) / 58 (**) / 5,2	67 (**) / 58 (**) / 5,2
height / width / thickness TH/35 15 mm	49 / 50 / 5,2	75 (**) / 58 (**) / 5,2	75 (**) / 58 (**) / 5,2
height / width / thickness G32	- / - / -	-	-
APPROVALS	KEMA-KEUR, UL and cUL pending	KEMA-KEUR, UL and cUL pending	KEMA-KEUR, UL and cUL pending
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections yellow/green	**HVPC.2/PT/GR** HVP301GR	**CHP.2/PT/GR** HVP301GR	**CHP.2D/PT/GR** HVP911GR
Permanent cross connection (intrinsically IPXXB protected once mounted)	-	**PTC/03/02** poles PTC0302 **PTC/03/03** poles PTC0303 **PTC/03/05** poles PTC0305 **PTC/03/10** poles PTC0310 **PTC/03/00** (47 poles) PTC0300	**PTC/03/02** poles PTC0302 **PTC/03/03** poles PTC0303 **PTC/03/05** poles PTC0305 **PTC/03/10** poles PTC0310 **PTC/03/00** (47 poles) PTC0300
Rated current carrying capacity of jumper (A)	**24**	**24**	**24**
Multiple common bar 250 mm	**PTC/SP** PTC0990	**PTC/SP** PTC0990	**PTC/SP** PTC0990
Shunting screw and sleeve	-	-	-
Coloured partition red, green, white	**DFH/1** DH01..	-	-
Cross connection barrier red	-	**DFH/1** DH01..	**DFH/1** DH01..
Test plug socket	-	-	-
Test plug	**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Modular test plug	-	**SDH/5** DH005	**SDH/5** DH005
End section for modular test plug	-	**SH5/PT** DH501	**SH5/PT** DH501
Lug protection cover 10 poles	-		
Numbering strip	**SHZ/2** SH1...	-	-
Screwdriver for the activation of the spring	**CCH/2,5-4** CCH02	-	-
Marking tag printed or blank	**CNU/8** NU... **CNU/10** NU...	**CCH/2,5-4** CCH02	**CCH/2,5-4** CCH02
End bracket	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003	**CNU/8** NU... **CNU/10** NU...	**CNU/8** NU... **CNU/10** NU...
Mounting rail according to IEC 60715 Std.	-	-	-
	PR/3/AC of steel PR003 **PR/3/AS** same with slots PR005	-	-

HPP Series

mini morsetti serraggio a molla with polyamide insulating body

- UL94V-0
- mounting onto PR/2 type rails, TH/15 type
- available in standard (grey RAL 7035 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

Modular test plug

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	500	400

*The **/GR** tag indicates the grey colour version.*

versione base	HPP.2/GR Cat. No. HP170GR	HP.2/GR Cat. No. HP150GR
versione (Ex)	HPP.2 (Ex)i Cat. No. HI132	HP.2 (Ex)i Cat. No. HI130
TECHNICAL CHARACTERISTICS		
function / type	feed-through	feed-through
rated cross-section (mm²)	2,5	2,5
connecting capacity		
flexible (mm²)	0,2 ÷ 4	0,2 ÷ 4
rigid (mm²)	0,2 ÷ 4	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3	800 V / 24 A / A3
rated voltage / rated current / AWG UL	600 V / 24 A / 24-12 AWG	600 V / 24 A / 24-12 AWG
(Ex e) rated voltage ⊏⊐ / ⊓⊔ (V)	(*)	(*)
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13
tightening torque value (test / recommended) (Nm)	-	-
height / width / thickness ⊓⊔ TH/15 5,5 mm	35 / 36 / 5,2	30 / 36 / 5,2
APPROVALS	Enel Distribuzione DV 25/1	Enel Distribuzione DV 25/1

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey blue	**HP/PT/GR**	HP101GR	**HPV/PT/GR** -	HV111GR
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles **PTC/03/03** poles **PTC/03/05** poles **PTC/03/10** poles **PTC/03/00** (47 poles)	PTC0302 PTC0303 PTC0305 PTC0310 PTC0300	**PTC/03/02** poles **PTC/03/03** poles **PTC/03/05** poles **PTC/03/10** poles **PTC/03/00** (47 poles)	PTC0302 PTC0303 PTC0305 PTC0310 PTC0300
Rated current carrying capacity of jumper	(A)	**24**		**24**	
Cross connection identification strip (100 mm)	green	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Coloured partition	red, green, white	**DFP/2**	DFP2..	**DFP/2**	DFP2..
Numbering strip		**SHZ/2**	SH001	**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02	**CCH/2,5-4**	CCH02
Modular test plug		**SDH/5**	DH005	**SDH/5**	DH005
End section for modular test plug		**SH5/PT**	DH501	**SH5/PT**	DH501
Test plug		**SDD/1**	DD001	**SDD/1**	DD001
End bracket		**BT/2** for PR/2 only - -	BT006	**BT/2** for PR/2 only - -	BT006
Mounting rail according to IEC 60715 Std.	⊏⊐	-		-	
	⊓⊔	**PR/2/AC** of steel **PR/2/AS** same with slots	PR009 PR010	-	

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm2.
The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.
The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

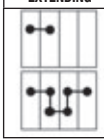
SUGGESTED COMPOSITION: for the mounting of terminal boards formed by terminal blocks type **HPP.2/GR** it is highly recommended to use together **HP.2/GR** and **HPP.2/GR** in a 4 to 1 ratio. Whenever there is the need to dismount the terminal board assembled in such a way, it is recommended to separate each group composed by a **HPP.2/GR** and dismount them one at a time, with the aid of an appropriate screwdriver (CCH/2.5-4) and acting in the appropriate slots of the insulating wall of the terminal blocks

HPC Series

with polyamide insulating body

- UL94V-0
- panel mount by means of clips
- panel thickness 0,6 ÷ 1,2 mm
- fixing hole Ø 3,5 mm
- available in standard (grey RAL 7042 colour) or (Ex) i "intrinsic safety" circuits (blue RAL 5015 colour) versions, where indicated

Modular test plug

PTC jumper configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					
Insulation voltage in the above configurations (V)					
400	400		800 (PT)	400	400

*The **/GR** tag indicates the grey colour version.*

In electrical panels where the space is particularly limited but there is nevertheless the requirement of high cable connection density, Cabur offers, also in spring-clamp technology, a series of mini terminal blocks suited for the connection of conductors up to 4 mm².
The range consists of three versions, for panel mount (by means of screw or clip) and for the IEC 60715, 15 mm PR/2 rail mount.
The particular configuration of the insulating body of the three types of terminal blocks allows the perfect matching between anyone of them, even of different versions, in order to guarantee maximum flexibility.

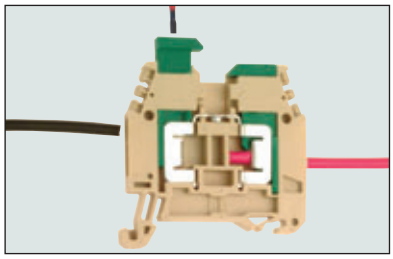
versione base		**HPC.2/GR** Cat. No. **HP160GR**
versione (Ex)		**HPC.2 (Ex)i** Cat. No. **HI131**
TECHNICAL CHARACTERISTICS		
function / type		passante
rated cross-section	(mm²)	2,5
connecting capacity		
flexible	(mm²)	0,2 ÷ 4
rigid	(mm²)	0,2 ÷ 4
max. flexible with ferrule (mm²)-ferrule type		2,5 - WP25/14
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 24 A / A3
rated voltage / rated current / AWG	UL	600 V / 24 A / 24-12 AWG
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	(*)
rated impulse withstand voltage / pollution degree		8 KV / 3
insulation stripping length	(mm)	13
tightening torque value (test / recommended)	(Nm)	-
height / width / thickness	⊓⊔ TH/15 5,5 mm	30 / 36 / 5,2

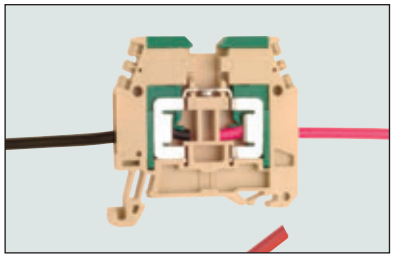
APPROVALS Enel Distribuzione DV 25/1

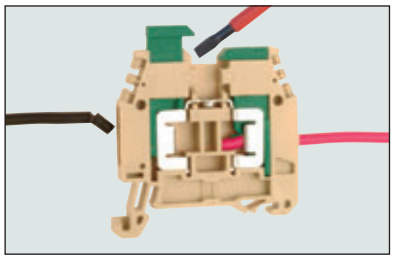
ACCESSORIES		Type	Cat. No.
End sections	grey	**HPV/PT/GR**	HV111GR
	blue	-	
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles	PTC0302
		PTC/03/03 poles	PTC0303
		PTC/03/05 poles	PTC0305
		PTC/03/10 poles	PTC0310
		PTC/03/00 (47 poles)	PTC0300
Rated current carrying capacity of jumper	(A)	**24**	
Cross connection identification strip (100 mm)	green	**PTC/SP**	PTC0990
Coloured partition	red, green, white	**DFP/2**	DH02..
Numbering strip		**SHZ/2**	SH001
Screwdriver for the activation of the spring		**CCH/2,5-4**	CCH02
Modular test plug		**SDH/5**	DH005
End section for modular test plug		**SH5/PT**	DH501
Test plug		**SDD/1**	DD001
End bracket		**BT/2** for PR/2 only	BT006
		-	
		-	
Mounting rail ⊏⊐ according to IEC 60715 Std.		-	
⊓⊔		**PR/2/AC** of steel	PR009
		PR/2/AS same with slots	PR010

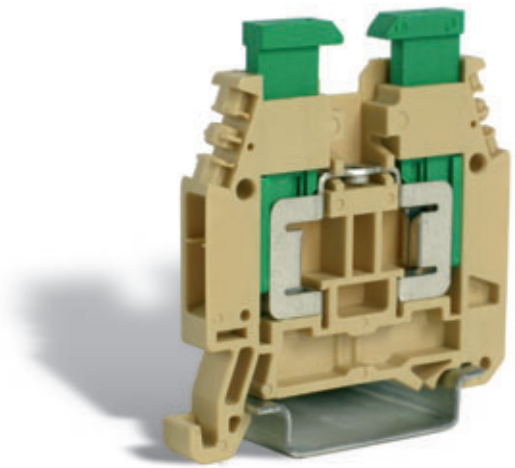
Insulation displacement terminal blocks

NCS terminal block is an excellent solution for the quick and safe connection of conductors having small cross-section. This system in fact minimises connection time as neither preparing the conductor nor tightening the screws is necessary. All that needs to be done is to trim the conductor and, unlike what happens in other types of connection that require an appropriate insulation stripping, introduce the end of the wire in the upper part of the conductor insertion hole. At this point the simple action, performed by the operator's fingers or with the aid of a screwdriver, of applying pressure on the tapper, guides the conductor through a fork in the conducting body, with a resulting cut in the insulation and thus creating electrical contact.
In operational position, the conductor is placed in the lower part of its introduction hole.
What needs to be pointed out is that the described connection can either be performed without any tool or simply with the aid of a normal screwdriver, always at hand for any operator.
The metallic part, which covers both the functions of conducting body and wire connections, is made in a special copper alloy; it ensures the best resistance to every aggressive agent and, thanks to its own elasticity, a high number of operations (more than 50), always guaranteeing reliable electrical contacts. The particular shape and angle of the fork, suited for the displacement of the insulation and to the contact, further avoids the conductor from accidentally slipping out of place. It is equally simple to remove the conductor from the terminal block: once again, with the use of a screwdriver (please refer to the image) it is
possible to lift the tapper which, in its lower part, is shaped in a way as to pull the conductor out of the contact area with the fork, freeing it for the extraction. Once extracted, if the conductor must be re-connected, it must be trimmed and the above described procedure must be repeated once again.









Note:
alongside the NCS terminal block, the NCV version is also available: this version offers on one side the I.D.C. (Insulation Displacement Connection), and on the other the traditional screw-clamp connection. Such solution can become particularly useful in case of "field" needs of larger conductors (up to a maximum of 6 mm^2) or where is nevertheless requested to guarantee to the end user the use of screw-clamp connection.

NCS/V Series

with polyamide insulating body

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 Std., “TH/35” type

beige version	NCS Cat. No. NC100	NCV Cat. No. NC200
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	feed-through	version with 1 screw connection
rated cross-section (mm²)	1,5	4 / 1,5
connecting capacity		
flexible (mm²)	0,5 ÷ 1,5	0,2 ÷ 6 / 0,5 ÷ 1,5
rigid (mm²)	0,5 ÷ 1	0,2 ÷ 6 / 0,5 ÷ 1
max. flexible with ferrule (mm²)-ferrule type	-	4 - WP40/16 (screw connection side)
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 15 A / -	800 V / 15 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 20-16 AWG	600 V / 15 A / 20-16 AWG / 8,9 lb.in.
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	-	-
height / width / thickness TH/35 7,5 mm	47 (53 with tapper raised) / 48 / 6,2	47 (53 with tapper raised) / 48 / 6,2
height / width / thickness TH/35 15 mm	53 (61 with tapper raised) / 48 / 6,2	53 (61 with tapper raised) / 48 / 6,2
height / width / thickness G32	-	-
APPROVALS	c UL us	c UL us

ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End sections grey	-		-	
beige	**NCS/PT**	NC101	**NCS/PT**	NC101
blue	-		-	
Permanent cross connection (intrinsically IPXXB protected once mounted)	**POF/99**	POF99	**POF/99**	POF99
Rated current carrying capacity of jumper (A)	**24**		**24**	
Multiple common bar 250 mm	**PMP/02**	PMP02	**PMP/02**	PMP02
Shunting screw and sleeve	**CPM/99**	CPM99	**CPM/99**	CPM99
Coloured partition red, green, white	**DFU/02**	DU02..	**DFU/02**	DU02..
Cross connection barrier red	-		-	
Test plug socket	-		-	
Test plug	-		-	
Numbering strip	**SHZ/60**	SH007	**SHZ/60**	SH007
Screwdriver for the activation of the spring	-		-	
Warning plate on adjacent terminal blocks	-		-	
Marking tag printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
	CSC	CS...	**CSC**	CS...
End bracket	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
	BTO	BT007	**BTO**	BT007
	BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.	-		-	
	PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003
	PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005

Screw-clamp terminal blocks

Melamine insulated

Feed-through and high current terminal blocks

EDM series . . . . . pages 94-97
SV series . . . . . pages 98-100

Terminal blocks for test and measurement circuits

SCX.10 series . . . . . pages 101-103

Fuse-holder and diode-holder terminal blocks

SFC.10 - SFL.10 - FLD.10/F5 . . . . . page 104
FLD.10/F6 - FLD.10/F5L - FLD.10/D . . . . . page 105
VLM.10 - VLM.10/O - VL.16 . . . . . page 106
VL.16/O - VL.16/O-R - VL.16/O-M . . . . . page 107

Terminal blocks for thermocouples circuits

TC/DIN . . . . . page 108

High current terminal blocks

CDA series . . . . . pages 109-114

EDM Series feed-through terminal blocks

with UL94V-0 (5V) melamine insulating body

APPROVALS

- UL U.S.A.-Canada
- KEMA - KEUR The Netherlands
- R.I.NA. Italy
- BBJ-SEP Poland
- CESI ATEX Ex e Italy
- Lloyd's Register United Kingdom
- Terna LV 27
- Enel Distribuzione DV 27

EDM terminal blocks represent the basic series in melamine produced by Cabur, having feed-through function. The whole series consists of eight types, with the following rated cross-sections in mm^2.

2,5 4 6 10 16 25 35 70

connection type: screw, on both sides, indirect and anti-loosening in response to pressure-plate action. The tightening screws are only accessible using a special screwdriver, and the special shape of the screw-heads make them impossible to lose. The screw tightening system offers the best guarantee of mechanical retention and efficiency under current, and is suitable for the connection of conductors of all cross-sections, with or without special preparation. The actions of tightening and loosening are extremely simple and can be carried out with tools such as screwdrivers, which are always at hand; it is important in any case to use screwdrivers of suitable dimensions and characteristics, in order to avoid damaging the screws or the insulating body.

conducting body: tube type, entirely in copper-zinc alloy with nickel-plating; the characteristics of the material used and the production method are such as to avoid the phenomenon of "seasoning cracking".

tightening reliability: suitable orthogonal grooves on the bottom of the conducting body and on the lower surface of the pressure plates ensure perfect electrical contact with the conductors and an efficient mechanical clamp. The grip is made particularly efficient by the elastic function accomplished by the pressure plate, which, in actual fact, under the pressing action of the screw, tends to bend, thus exerting an applied reaction to the head of the screw itself, which resists loosening, even in cases of dynamic stress.

ease of insertion: the insertion of the conductor in the terminal block is eased by:
- sloping entrance planes
- the rounded edges of the pressure plate
- the ample size of the entrance hole relative to the diameter of the maximum allowed conductor.

other functions: as well as their main function as feed-through terminal blocks, EDM terminal blocks are designed and manufactured in such a way as to carry out other functions. Indeed, through a threaded hole in the upper part of the conducting body, it is possible to:

- create a cross connection, either permanent or switchable, between two adjoining terminal blocks (the partition in the insulating body can be easily removed)
- create a multiple commoning bar connection between different terminal blocks
- insert a test plug socket

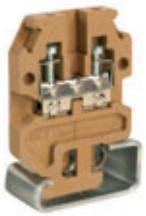
marking: all EDM terminal blocks offer the possibility of marking, on either side, using different Cabur systems (see accessories section, numbers CNU/8, SNZ and CSC).

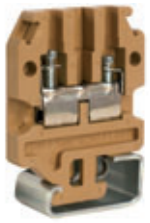
mounting: the melamine terminal blocks in the EDM series are designed to be mounted on PR/DIN mounting rails, which conform to IEC 60715, "G32" type.

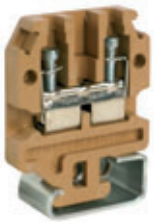
EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 03 ATEX 072 U** Ex e Ex certificate I M2 / II 2 G D operating temperature range: –40 ÷ +80 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions





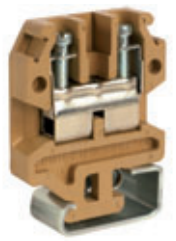


beige version	EDM.2 Cat. No. ED110	EDM.4 Cat. No. ED210	EDM.6 Cat. No. ED310
(Ex)i version	**EDM.2 (Ex)i Cat. No. EI110**	**EDM.4 (Ex)i Cat. No. EI210**	**EDM.6 (Ex)i Cat. No. EI310**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	2,5	4	70
connecting capacity			
flexible (mm²)	0,5 ÷ 4	0,5 ÷ 6	0,5 ÷ 10
rigid (mm²)	0,5 ÷ 4	0,5 ÷ 6	0,51 ÷ 10
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	4 - WP40/16	6 - WP60/20
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A3	800 V / 32 A / A4	800 V / 41 A / A5
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 20 ÷ 12 AWG / 0,62 Nm	600 V / 30 A / 20 ÷ 10 AWG / 1 Nm	600 V / 50 A / 20 - 8 AWG / 1,5 Nm
(Ex e) rated voltage ⊏⊐/ ⊔⊔ (V)	500	500	500
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	14	14
tightening torque value (test / recommended) (Nm)	0,4 / 0,8	0,5 / 1,2	0,8 / 1,4
height / width / thickness ⊔⊔ TH/35 7,5 mm	-	-	-
height / width / thickness ⊔⊔ TH/35 15 mm	-	-	-
height / width / thickness ⊏⊐ G32	52 / 36 / 5,5	57 / 42 / 6,5	57 / 42 / 8
APPROVALS			
ACCESSORIES	**Type / Cat. No.**	**Type / Cat. No.**	**Type / Cat. No.**
End sections beige	**EDM/2/PT** ED111	**EDM/4-10/PT** ED401	**EDM/4-10/PT** ED401
blue	**EDM/2/PT (Ex)i** EI111	**EDM/4-10/PT (Ex)i** EI401	**EDM/4-10/PT (Ex)i** EI401
Permanent cross connection	**PM/20/2** poles PM202	**PM/40/2** poles PM402	**PM/60/2** poles PM602
	PM/20/3 poles PM203	**PM/40/3** poles PM403	**PM/60/3** poles PM603
	PM/20/5 poles PM205	**PM/40/5** poles PM405	**PM/60/5** poles PM605
	PM/20/10 poles PM210	**PM/40/10** poles PM400	**PM/60/10** poles PM610
Rated current carrying capacity of jumper (A)	**24**	**32**	**41**
Switchable cross connection	**POS/11** POS11	**POS/42** POS42	**POS/93** POS93
Multiple common bar 250 mm	**PMP/01** PMP01	**PMP/42** PMP42	**PMP/13** PMP13
Shunting screw and sleeve (same, Ex e version)	**CPM/21 (CPX/21)** CPM21 (CPX21)	**CPM/12 (CPX/12)** CPM12 (CPX12)	**CPM/83 (CPX/83)** CPM83 (CPX83)
Coloured partition red, green, white	**DFU/1** DU01..	**DFU/4** DU04..	**DFU/4** DU04..
Cross connection barrier red		-	-
Test plug socket	**PSD/D** PD004	**PSD/A** PD001	**PSD/N** PD013
Test plug	**SDD/1** DD001	**SDD/1** DD001	**SDD/1** DD001
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SNZ/5** SN001	**SNZ/65** SN006	**SNZ/8** SN004
Warning plate on adjacent terminal blocks	**TUM/01** on 4 TQM02	**TTM/12** on 3 and on 4 TTM12	**TTM/15** on 3 TTM12
	-	-	**TQM/15** on 4 TQM15
Cover for cross-connection	**PRP/6** PRP06	**PRP/6** PRP06	**PRP/7** PRP07
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
	CSC (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001
	-	-	-
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001
	PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004	**PR/DIN/AS** same with slots PR004
	PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002	**PR/DIN/AL** of aluminium PR002
⊔⊔	-	-	-
	-	-	-

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type
- **CESI 03 ATEX 072 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions



beige version	EDM.10 Cat. No. ED400	EDM.16 Cat. No. ED500	EDM.25 Cat. No. ED600
(Ex)i version	**EDM.10 (Ex)i Cat. No. EI400**	**EDM.16 (Ex)i Cat. No. EI500**	**EDM.25 (Ex)i Cat. No. EI600**
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	10	16	25
connecting capacity			
flexible (mm²)	0,5 ÷ 16	0,5 ÷ 25	0,5 ÷ 50
rigid (mm²)	0,5 ÷ 16	0,5 ÷ 25	0,51 ÷ 50
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	4 - WP160/22	25 - WP250/29
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 57 A / B6	800 V / 76 A / B7	800 V / 101 A / B8
rated voltage / rated current / AWG / tightening torque value UL	600 V / 50 A / 20 ÷ 8 AWG / 1,5 Nm	600 V / 100 A / 20-3 AWG / 2,3 Nm	600 V / 100 A / 16 - 3 AWG / 2,5 Nm
(Ex e) rated voltage / (V)	500	500	630
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	15	17	19
tightening torque value (test / recommended) (Nm)	1,2 / 1,9	1,8 / 3	2 / 3
height / width / thickness TH/35 7,5 mm	-	-	-
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	57 / 42 / 10	58 / 45 / 12	64 / 52 / 16
APPROVALS			
ACCESSORIES	**Type / Cat. No.**	**Type / Cat. No.**	**Type / Cat. No.**
End sections beige	**EDM/4-10/PT** ED401	**EDM/16/PT** ED501	**EDM/25/PT** ED601
End sections blue	**EDM/4-10/PT (Ex)i** EI401	**EDM/16/PT (Ex)i** EI501	**EDM/25/PT (Ex)i** EI601
Permanent cross connection	**PM/10/2** poles (pre-assembled) PM102 **PM/10/3** poles (pre-assembled) PM103 **PM/10/5** poles (pre-assembled) PM105 **PM/10/10** poles (pre-assembled) PM100	**POF/05 (PFX/05)** POF05 (PFX05) (same, Ex e version)	**POF/06 (PFX/06)** POF06 (PFX06) (same, Ex e version)
Rated current carrying capacity of jumper (A)	**57**	**76**	**125**
Switchable cross connection	**POS/04** POS44	**POS/04** POS44	**POS/66** POS66
Multiple common bar 250 mm	**PMP/04** PMP04	**PMP/05** PMP05	**PMP/06** PMP06
Shunting screw and sleeve (same, Ex e version)	**CPM/03 (CPX/03)** CPM03 (CPX03)	**CPM/05 (CPX/05)** CPM05 (CPX05)	**CPM/06 (CPX/06)** CPM06 (CPX06)
Coloured partition red, green, white	**DFU/4** DU04..	**DFU/4** DU04..	**DFU/5** DU05..
Cross connection barrier red	-	-	-
Test plug socket	**PSD/B** PD002	**PSD/B** PD002	**PSD/B** PD002
Test plug	**SDD/2** DD002	**SDD/2** DD002	**SDD/2** DD001
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	**SNZ/10** SN005	-	-
Warning plate on adjacent terminal blocks	**TTM/04** on 3 TTM04 **TQM/04** on 4 TQM04	**TUM/05** on 3 and on 4 TUM05 -	**TUM/06** on 3 and on 4 TUM06
Cover for cross-connection	**PRP/7** PRP07	**PRP/7** PRP07	**PRP/8** PRP08
Marking tag printed or blank	**CNU/8** NU... **CSC** (with ADR adapter) CS...	**CNU/8** NU... **CSC** (with ADR adapter) CS...	**CNU/8** NU... **CSC** (with ADR adapter) CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 -	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 -	**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 -
Mounting rail according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
	-	-	-
	-	-	-

EDM Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type
- **CESI 03 ATEX 072 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions

Version provided for the connection of an unprepared flexible coductor, up to 50 mm2 and of a lug (Ø 6 mm screw with max width 15 mm) or of a bar (2 x 15 mm max).

beige version	EDM.35 Cat. No. ED700	EDM.70 Cat. No. ED820	EDM.70/BC Cat. No. ED860
(Ex)i version	**EDM.35 (Ex)i Cat. No. EI700**	**EDM.70 (Ex)i Cat. No. EI810**	
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through, bar/cable version
rated cross-section (mm²)	35	70	50
connecting capacity			
flexible (mm²)	1,5 ÷ 50	1,5 ÷ 95	1,5 ÷ 50
rigid (mm²)	1 ÷ 70	1 ÷ 95	1 ÷ 50
max. flexible with ferrule (mm²)-ferrule type	35 - WP350/30		-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 125 A / B9	800 V / 192 A / B11	800 V / 192 A / B11
rated voltage / rated current / AWG / tightening torque value UL	600 V / 130 A / 16 ÷ 1 AWG / 3,7 Nm	600 V / 220 A / 12-4/0 AWG / 5,6 Nm	-
(Ex e) rated voltage / (V)	630	630	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	22	24	24
tightening torque value (test / recommended) (Nm)	2,5/ 4	3 / 5	3 / 5
height / width / thickness TH/35 7,5 mm	-	-	-
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	65 / 58 / 18,5	74 / 62 / 21	74 / 62 / 21
APPROVALS			Approvals referred to EDM.70 standard version
ACCESSORIES	**Type / Cat. No.**	**Type / Cat. No.**	**Type / Cat. No.**
End sections beige	**EDM/35/PT** ED701	**EDM/70/PT** ED801	**EDM/70/PT** ED801
blue	**EDM/35/PT (Ex)i** EI701	**EDM/70/PT (Ex)i** EI801	-
Permanent cross connection	**POF/07 (PFX/07)** POF07 (PFX07) (same, Ex e version)	**POF/08 (PFX/08)** POF08 (PFX08) (same, Ex e version)	-
Rated current carrying capacity of jumper (A)	**150**	**192**	-
Switchable cross connection	**POS/77** POS77	**POS/08** POS08	-
Multiple common bar 250 mm	**PMP/07** PMP07	**PMP/08** PMP08	-
Shunting screw and sleeve (same, Ex e version)	**CPM/07 (CPX/07)** CPM07 (CPX07)	**CPM/08 (CPX/08)** CPM08 (CPX08)	-
Coloured partition red, green, white	**DFU/5** DU05..	**DFU/6** DU06..	**DFU/6** DU06..
Cross connection barrier red	-	-	-
Test plug socket	**PSD/C** PD003	**PSD/C** PD003	-
Test plug	**SDD/2** DD002	**SDD/2** DD002	-
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Numbering strip	-	-	-
Warning plate on adjacent terminal blocks	**TUM/07** on 3 and on 4 TUM07	**TUM/08** on 3 and on 4 TUM08	**TUM/08** on 3 and on 4 TUM08
	-	-	
Cover for cross-connection	**PRP/8** PRP08	**PRP/8** PRP08	-
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
	CSC (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001	**BT/DIN/PO** for PR/DIN only BT001
	-	-	-
Mounting rail according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001
	PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004	**PR/DIN/AS** same with slots PR004
	PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002	**PR/DIN/AL** of aluminium PR002
	-	-	-
	-	-	-

SV Series feed-through terminal blocks

with UL94V-0 (5V) melamine insulating body

APPROVALS

- UL U.S.A.-Canada
- KEMA - KEUR Paesi Bassi
- R.I.NA. Italia
- BBJ-SEP Polonia
- CESI ATEX Ex e Italia
- Lloyd's Register Regno Unito
- Terna LV 27
- Enel Distribuzione DV 27

SV series is formed by four feed-through terminal blocks in the following rated cross-sections, measured in mm^2:

2,5 4 6 10

type of connection: by means of screws, on both sides, indirect and anti-loosening, thanks to the action of the loading springs. The tightening screws are accessible only with an adequate screwdriver and the particular shape of the screws makes it impossible to lose them. The tightening process by screws ensures the best mechanical retention and efficiency of the flow of the current. It is suitable for connection, with or without special preparation, of conductors of all cross-sections. The tighening and loosening operations are extremely simple and they can be performed with tools, such as screwdrivers which are always at hand. It is however important to use an appropriatly sized screwdriver in order to avoid damaging either the screw itself or the insulating body.

conducting body and clamping system: it is constituted by wire clamping collars, with captive screws and conducting busbar, entirely made of a nickel plated zinc/copper alloy and with loading springs in passivated zinc plated steel.

tightening reliability: special orthogonal grooves on the inner surfaces of the wire clamping collars and on the surface of the conducting busbar, ensure a perfect electrical contact with the conductors and an efficient mechanical clamp. In presence of vibrations, even of high intensity, the two springs which are placed between the clamping collars and the insulating body, have the “shock absorbing” function. As a consequence, the two systems constituted by, respectively the conductors inwards an outwards from the terminal blocks, connected one to another by the busbar on one side, and by the insulating body of the terminal block fixed onto the rail, on the other side, are in this way completely independent. In addition the antiloosening connection of the conductor is guaranteed by the elasticity of the wire clamping collar, once the screw is under the tightening force of the conductor.

ease of insertion: insertion of the conductor into the terminal block is made easy by:
- sloping entrance planes on the insulating body
- the small tab on the wire clamping collar, which also avoids the insertion out from the collar itself
- a countersink on the lead-in of the collars
- an appropriately sized entrance hole, with reference to the diameter of the maximum permitted conductor. The depth into which the conductor can be inserted is limited by a partition in the insulating body.

other functions: besides their main functions as feed-through, SV terminal blocks are designed in such a way as to carry out other functions. These are:
- to create a cross connection (either permanent or switchable), between two adjoining terminal blocks (by simply eliminating the diaphragm existing in the insulating body)
- create a multiple commoning bar connection between several adjoining terminal blocks
- insert a socket for a test plug

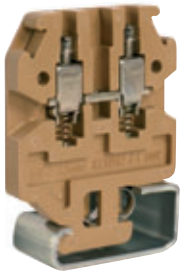
marking: all SV terminal blocks can be marked on both sides by using CNU/8, SNZ or CSC marking tags (the latter system allows the composition of alphanumeric signs up to a maximum of 6 characters (but an ADR adapter is required).

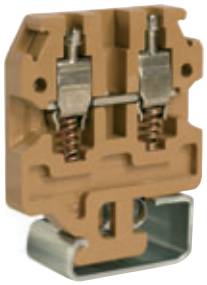
mounting: melamine terminal blocks of SV series are designed to be mounted on PR/DIN mounting rails, according to IEC 60715 Std., “G32” type.

SV Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type
- **CESI 02 ATEX 135 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions





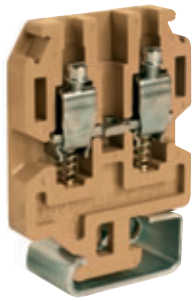
beige version	SV.2 Cat. No. SV100	SV.4 Cat. No. SV200
(Ex)i version	**SV.2 (Ex)i Cat. No. SI100**	**SV.4 (Ex)i Cat. No. SI200**
TECHNICAL CHARACTERISTICS		
function / type	feed-through	feed-through
rated cross-section (mm²)	2,5	4
connecting capacity		
flexible (mm²)	0,2 ÷ 2,5	0,2 ÷ 6
rigid (mm²)	0,2 ÷ 2,5	0,2 ÷ 6
max. flexible with ferrule (mm²)-ferrule type	2,5 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 24 A / A2	800 V / 32 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 20-14 AWG / 0,79 Nm	600 V / 20 A / 20-12 AWG / 0,79 Nm
(Ex e) rated voltage / (V)	500	500
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	11	13
tightening torque value (test / recommended) (Nm)	0,4/ 0,8	0,5 / 1,2
height / width / thickness TH/35 7,5 mm	-	-
height / width / thickness TH/35 15 mm	-	-
height / width / thickness G32	53 / 40 / 5,5	54 / 45 / 7
APPROVALS		

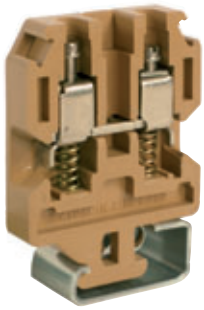
ACCESSORIES		SV.2 Type	Cat. No.	SV.4 Type	Cat. No.
End sections	beige	**SV/2/PT**	SV101	**SV/4/PT**	SV201
	blue	**SV/2/PT (Ex)i**	SI101	**SV/4/PT (Ex)i**	SI201
Permanent cross connection		**POF/11 (PFX/11)** (same, Ex e version)	POF11 (PFX11)	**POF/12 (PFX/12)** (same, Ex e version)	POF12 (PFX12)
Rated current carrying capacity of jumper	(A)	**24**		**32**	
Switchable cross connection		**POS/11**	POS11	**POS/12**	POS12
Multiple common bar	250 mm	**PMP/01**	PMP01	**PMP/12**	PMP12
Shunting screw and sleeve (same, Ex e version)		**CPM/11 (CPX/11)**	CPM11 (CPX11)	**CPM/12 (CPX/12)**	CPM12 (CPX12)
Coloured partition	red, green, white	**DFU/4**	DU04..	**DFU/4**	DU04..
Cross connection barrier	red	-		-	
Test plug socket		**PSD/D**	PD004	**PSD/A**	PD001
Test plug		**SDD/1**	DD001	**SDD/1**	DD001
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		**SNZ/5**	SN001	**SNZ/7**	SN003
Warning plate	on adjacent terminal blocks	**TQM/02** on 4	TQM02	**TTM/12** on 3	TTM12
		-		**TQM/12** on 4	TQM12
Cover for cross-connection		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
		CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		-		-	
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		-		-	
		-		-	

SV Series

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type
- **CESI 02 ATEX 135 U** Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14
- available in standard (beige RAL 1001 colour) or (Ex)i “intrinsic safety” circuits (blue RAL 5015 colour) versions

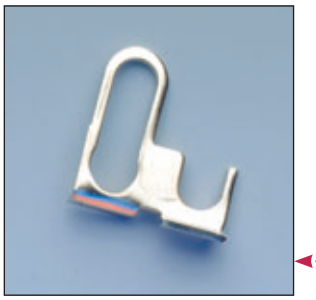




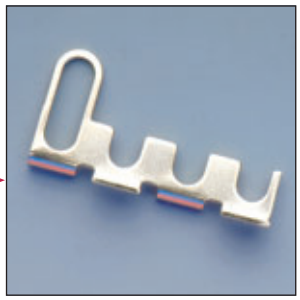
beige version	SV.6 Cat. No. SV300	SV.10 Cat. No. SV400
(Ex)i version	**SV.6 (Ex)i** Cat. No. **SI300**	**SV.10 (Ex)i** Cat. No. **SI400**
TECHNICAL CHARACTERISTICS		
function / type	feed-through	feed-through
rated cross-section (mm²)	6	10
connecting capacity		
flexible (mm²)	1,5 ÷ 10	1,5 ÷ 16
rigid (mm²)	1,5 ÷ 10	1,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	6 - WP60/20	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 41 A / A5	800 V / 57 A / B6
rated voltage / rated current / AWG / tightening torque value UL	600 V / 30 A / 20-10 AWG / 0,79 Nm	600 V / 55 A / 16-6 AWG / 0,79 Nm
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	500	630
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	13	13
tightening torque value (test / recommended) (Nm)	0,8/ 1,4	1,2 / 1,9
height / width / thickness ⊐⊏ TH/35 7,5 mm	-	-
height / width / thickness ⊏⊐ TH/35 15 mm	-	-
height / width / thickness ⊏⊐ G32	63 / 45 /8	64 / 45 / 10,5
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, UL BR, Ex	c UL us, KEMA KEUR, Lloyd's Register, UL BR, Ex

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	beige	**SV/6/PT**	SV301	**SV/10/PT**	SV401
	blue	**SV/6/PT (Ex)i**	SI301	**SV/10/PT (Ex)i**	SI401
Permanent cross connection		**POF/13 (PFX/13)**	POF13 (PFX13)	**POF/14 (PFX/14)**	POF14 (PFX14)
		(same, Ex e version)		(same, Ex e version)	
Rated current carrying capacity of jumper	(A)	**41**		**57**	
Switchable cross connection		**POS/13**	POS13	**POS/14**	POS14
Multiple common bar	250 mm	**PMP/13**	PMP13	**PMP/14**	PMP14
Shunting screw and sleeve (same, Ex e version)		**CPM/13 (CPX/13)**	CPM13 (CPX13)	**CPM/14 (CPX/14)**	CPM14 (CPX14)
Coloured partition	red, green, white	**DFU/5**	DU05..	**DFU/5**	DU05..
Cross connection barrier	red	-		-	
Test plug socket		**PSD/E**	PD005	**PSD/F**	PD006
Test plug		**SDD/1**	DD001	**SDD/2**	DD001
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		**SNZ/8**	SN004	**SNZ/10**	SN005
Warning plate	on adjacent terminal blocks	**TTM/13** on 3	TTM13	**TTM/14** on 3	TTM14
		TQM/13 on 4	TTM13	**TQM/12** on 4	TQM14
Cover for cross-connection		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...
		CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		-		-	
Mounting rail ⊏⊐		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.		**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊐⊏		-		-	
		-		-	

Terminal blocks for test and measurement circuits



SCX/PO/2 Cat. No. SC103



SCX/PO/4 Cat. No. SC104

SCX/CPM Cat. No. SC105

All Cabur feed-through terminal blocks are suited to be employed in test and measurement circuits. Nevertheless, in order to realise in the optimum way the connections of the secondary circuits of measuring current transformers, the use of **SCX** series terminals is recommended; this in fact guarantees:

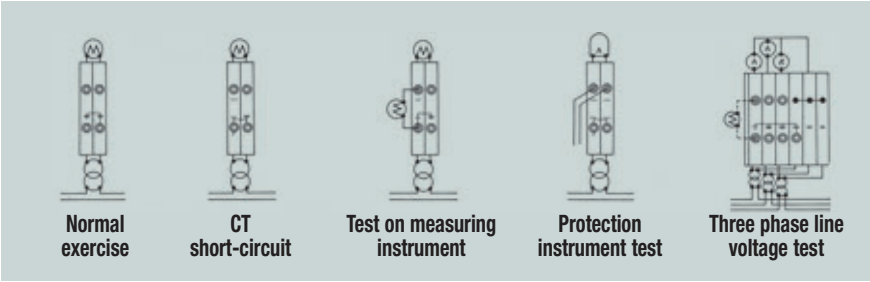
- high reliability and safety of both switchable and permanent electrical connections
- immediate identification of the function of the components and of the condition of the circuits
- the performing of separate blocks of disconnect and short circuit
- adequate dimensioning, in order to withstand the whole load of the connected conductors.

The use of **SCX/PO/2** (for two adjoining terminal blocks) and **SCX/PO/4** (for four adjoining terminal blocks) special cross connections and of **SCX/CPM**, screws and sleeves, enable to link to earth simultaneously the current transformers connected to the terminal blocks themselves, assuring the correct operational sequence. In fact such cross connections, in "open" position, prevent the manoeuvring of the slide links, avoiding the disconnection of the current carrying circuits.

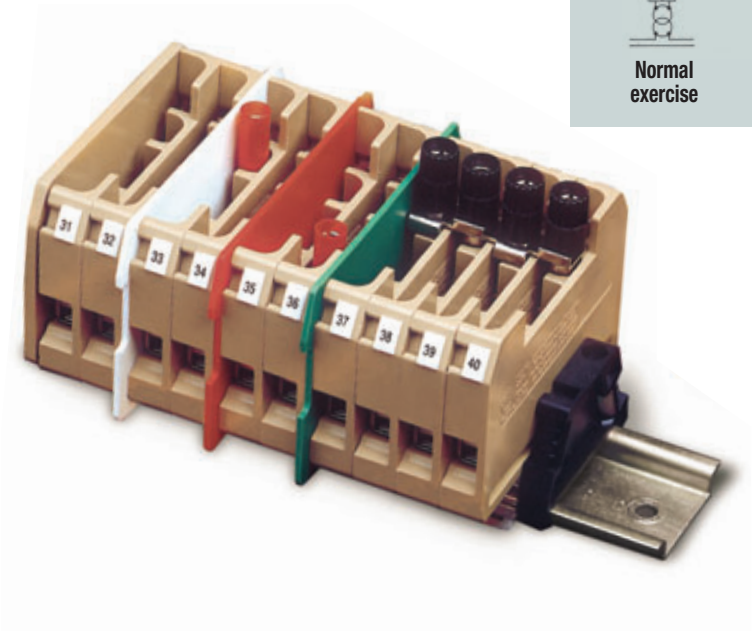
Switchable cross connections, already located outwards in an accident prevention position, must be adequately distanced from both adjoining cross connections and terminal blocks, by enclosing, within end barriers, the disconnect group. It is possible to perform shunts from the SCX.10 terminal block by means of silver plated brass SDD/2 test plugs, which can be inserted:

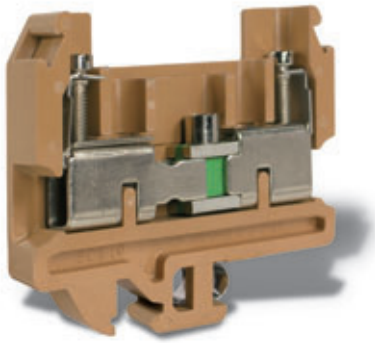
- in the SCX/CPM sleeves of the switchable cross connection
- in the PSD/L sockets, which can be screwed directly on to the conducting body, in order to perform solely the shunting function

The slide link is constituted by two wipers, locked by a screw inserted in a collar which enables the elastic anti-loosening clamping to the slide link and the easy positioning of the screw driver, during disconnect operations SCX.10 type disconnect terminal blocks enable the composition of various test or control circuits, some of which are shown below.



Schemi di funzionamento

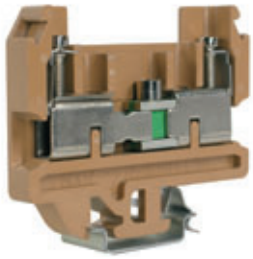




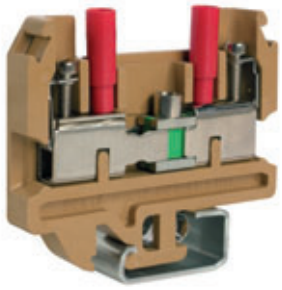
Disconnect

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN or PR/3 type rails - according to IEC 60715 Std., “G32” and TH/35 types



NOTE:
version to be mounted onto rails according to IEC 60715 Std. - type TH35



SCX.10/DD
Slide link disconnect test terminal block that allows longitudinal disconnection. Configuration provided with a test plug socket downstream and upstream the slide link, according to the ENEL LV27/3 specifications

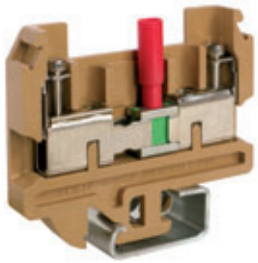
SCX.10/O-DD Cod. **SC210**
version to be mounted onto rails according to IEC 60715 Std., “TH/35” type

beige version	**SCX.10** Cat. No. **SC100**	**SCX.10/0** Cat. No. **SC400**	**SCX.10/DD** Cat. No. **SC110**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	slide link disconnect	slide link disconnect	slide link disconnect in special configuration
rated cross-section (mm²)	10	10	10
connecting capacity			
flexible (mm²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
rigid (mm²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 57 A / B6	800 V / 57 A / B6	800 V / 57 A / B6
rated voltage / rated current / AWG / tightening torque value UL	600 V / 45 A / 20-8 AWG / 0,79 Nm	600 V / 45 A / 20-8 AWG / 0,79 Nm	-
(Ex e) rated voltage / (V)	-	-	
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / recommended) (Nm)	1,2/ 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	-	63 / 73 / 10,5	72 / 73 / 10,5 (version /O only)
height / width / thickness TH/35 15 mm	-	71 / 73 / 10,5	80 / 73 / 10,5 (version /O only)
height / width / thickness G32	63 / 73 / 10,5	-	72 / 73 / 10,5
APPROVALS	c UL us, KEMA KEUR, Terna LV 27/4, Enel Distribuzione DV 27/4, UL BR	c UL us, KEMA KEUR, Terna LV 27/4, Enel Distribuzione DV 27/4, UL BR	Terna LV 27/3, Enel Distribuzione DV 27/3 Other approvals referred to SCX.10
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections beige	**SCX/PT** SC101	**SCX/PT** SC101	**SCX/PT** SC101
blue	-	-	-
Permanent cross connection	**POF/56** POF56	**POF/56** POF56	**POF/56** POF56
Rated current carrying capacity of jumper (A)	**57**	**57**	**57**
Switchable cross connection	-	-	-
Multiple common bar 250 mm	**PMP/56** PMP56	**PMP/56** PMP56	**PMP/56** PMP56
Shunting screw and sleeve	**CPM/56** CPM56	**CPM/56** CPM56	**CPM/56** CPM56
Coloured partition red, green, white	**DFU/7** DU07..	**DFU/7** DU07..	**DFU/7** DU07..
Cross connection barrier red	-	-	-
Test plug socket	**PSD/L** PD009	**PSD/L** PD009	**PSD/L** PD009
Test plug	**SDD/2** DD002	**SDD/2** DD002	**SDD/2** DD002
Modular test plug	-	-	-
End section for modular test plug	-	-	-
Piastrina di c.c. su morsetti contigui	**SCX/PO/2** on 2 SC103	**SCX/PO/2** on 2 SC103	**SCX/PO/2** on 2 SC103
	SCX/PO/4 on 4 SC104	**SCX/PO/4** on 4 SC104	**SCX/PO/4** on 4 SC104
Colonnina per piastrina	**SCX/CPM** SC105	**SCX/CPM** SC105	**SCX/CPM** SC105
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
	CSC (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	-	**BT/DIN/PO** for PR/DIN only BT001
	-	**BT/3** for PR/3 only BT003	-
Mounting rail according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001	-	**PR/DIN/AC** of steel PR001
	PR/DIN/AS same with slots PR004	-	**PR/DIN/AS** same with slots PR004
	PR/DIN/AL of aluminium PR002	-	**PR/DIN/AL** of aluminium PR002
	-	**PR/3/AC** of steel PR003	-
	-	**PR/3/AS** same with slots PR005	-

Disconnect

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN or PR/3 type rails - according to IEC 60715 Std., “G32” and TH/35 types



SCX.10/CD
Slide link disconnect test terminal block that allows longitudinal and transversal disconnection.
Configuration provided with a test plug socket downstream and upstream the slide link, according to the ENEL LV27/2 specifications

SCX.10/O-CD Cod. **SC220**
version to be mounted onto rails according to IEC 60715 Std., “TH/35” type

NOTE:
Terminal block type SCX.10/PI is also available in the following versions:

SCX.10/O/PI Cod. **SC500**
SCX.10/PI/CD Cod. **SC230**
SCX.10/PI/DD Cod. **SC240**

beige version	**SCX.10-CD** Cat. No. **SC120**	**SCX.10/PI** Cat. No. **SC200**
(Ex)i version		
TECHNICAL CHARACTERISTICS		
function / type	slide link disconnect in special configuration	disconnect by slide link
rated cross-section (mm²)	10	10
connecting capacity		
flexible (mm²)	0,5 ÷ 16	0,5 ÷ 16
rigid (mm²)	0,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 57 A / B6	800 V / 57 A / B6
rated voltage / rated current / AWG / tightening torque value UL	-	-
(Ex e) rated voltage / (V)	-	-
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	14	14
tightening torque value (test / recommended) (Nm)	1,2/ 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	73 / 73 / 10,5 (version /O only)	63 / 73 / 10,5 (version /O only)
height / width / thickness TH/35 15 mm	81 / 73 / 10,5 (version /O only)	71 / 73 / 10,5 (version /O only)
height / width / thickness G32	73 / 73 / 10,5	63 / 73 / 10,5
APPROVALS	Terna LV 27/2, Enel Distribuzione DV 27/2 Other approvals referred to SCX.10	Approvals referred to SCX.10

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	beige blue	**SCX/PT** -	SC101	**SCX/PT** -	SC101
Permanent cross connection		**POF/56**	POF56	**POF/56**	POF56
Rated current carrying capacity of jumper	(A)	**57**		**57**	
Switchable cross connection		-		-	
Multiple common bar	250 mm	**PMP/56**	PMP56	**PMP/56**	PMP56
Shunting screw and sleeve		**CPM/56**	CPM56	**CPM/56**	CPM56
Coloured partition	red, green, white	**DFU/7**	DU07..	**DFU/7**	DU07..
Cross connection barrier	red	-		-	
Test plug socket		**PSD/L**	PD009	**PSD/L**	PD009
Test plug		**SDD/2**	DD002	**SDD/2**	DD002
Modular test plug		-		-	
End section for modular test plug		-		-	
Numbering strip		-		-	
Short-circuit plate	between adjoining terminal blocks	**SCX/PO/2** on 2 **SCX/PO/4** on 4	SC103 SC104	**SCX/PO/2** on 2 **SCX/PO/4** on 4	SC103 SC104
Sleeve for bar		**SCX/CPM**	SC105	**SCX/CPM**	SC105
Marking tag	printed or blank	**CNU/8** **CSC** (with ADR adapter)	NU... CS...	**CNU/8** **CSC** (with ADR adapter)	NU... CS...
End bracket		**BTU** for PR/DIN and PR/3 **BT/DIN/PO** for PR/DIN only -	BT005 BT001	**BTU** for PR/DIN and PR/3 **BT/DIN/PO** for PR/DIN only -	BT005 BT001
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium -	PR001 PR004 PR002	**PR/DIN/AC** of steel **PR/DIN/AS** same with slots **PR/DIN/AL** of aluminium -	PR001 PR004 PR002

Fuse-holders

with melamine insulating body

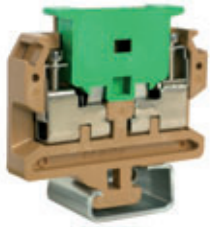
- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

to be discontinued

The terminal block is equipped with a lever suited to house:
a) SFC/CO, conducting element in order to perform the simple disconnect operation, with shunting possibility.
b) Ø 6.3 x 32 mm - 500 V - 25 A max. fuse

NOTE:
the Ø 6.3 x 32 mm fuse is not of our normal supply.

The terminal block is equipped with a lever suited to house a Ø 6.3 x 32 mm - 500 V - 25 A max. fuse and a LED signal circuit. The interruption of the fuse determines the ignition of the LED.



With cartridges suited to house a **F5** - Ø 5 x 20 mm type **fuse** or **CO/5** type - Ø 5 x 20 mm **connecting element** in order to perform the simple disconnection.

CF5
Cat. No. FL404

NOTE:
F5/... type fuse and CO/5 type conducting element are supplied separately.

(*) values referred to the insulating characteristics of the terminal block
(**) for simultaneous disconnection of adjoining terminal blocks

beige version	**SFC.10** Cat. No. **FC100**	**SFL.10** Cat. No. **FC200**	**FLD.10/F5** Cat. No. **FL400**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	disconnect by lever fuse-holder	disconnect by lever fuse-holder with LED signal circuit	for fuse or shunting element
rated cross-section (mm²)	10	10	10
connecting capacity			
flexible (mm²)	1,5 ÷ 16	1,5 ÷ 16	0,5 ÷ 16
rigid (mm²)	1,5 ÷ 16	1,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 10 A (20 with SFC/CO) / B6	800 V (*) / 10 A / B6	800 V (*) / 6,3 A / B6
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 20-6 AWG / 0,79 Nm	300 V / 15 A / 20 ÷ 6 AWG / 0,79 Nm	-
(Ex e) rated voltage / (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 KV (*) / 3	8 KV (*) / 3	6 KV (*) / 3
insulation stripping length (mm)	16	16	14
tightening torque value (test / recommended) (Nm)	1,2/ 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness TH/35 7,5 mm	-	-	-
height / width / thickness TH/35 15 mm	-	-	-
height / width / thickness G32	70 / 69 / 12	75 / 69 / 12	64 / 63 / 11
APPROVALS	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	c UL us, KEMA KEUR, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8, UL BR	Terna LV 27/8, Enel Distribuzione DV 27/8

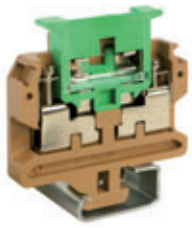
ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	beige	**SFC/PT**	FC101	**SFC/PT**	FC101	**FLD/PT**	FL101
	blue	-		-		-	
Coloured partition	red, green, white	**DFU/6**	DU06..	**DFU/6**	DU06..	**DFU/6**	DU06..
MSM handle (6 elements) (**)		**MSM**	FC103	**MSM**	FC103	-	
Miniature fuse	(5x20mm)	-		-		**F5/..**	FN..ST
Conducting element		**SFC/CO**	FC102	-		**CO/5**	VL103
LED signal circuit		-		**CIL/12-24-48-115-230**	SF5..	-	
Calibration resistance		-		-		-	
Test plug		**SDD/2**	DD002	**SDD/2**	DD002	**SDD/2**	DD002
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		-		-		-	
Mounting rail according to IEC 60715 Std.		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
		PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
		-		-		-	
		-		-		-	

Component holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

With Ø 6 x 25 mm or Ø 6,3 x 23 mm **fuse**-holder cartridge - suited to hold our **LSN** Ø 6 x 26 mm **lamp** for voltages exceeding 70 V.



Fuse-holder terminal block for our Ø 5 x 20 mm **F5** type fuse and **LSN** (Ø 6 x 26 mm) **lamp** for voltages exceeding 70 V. The fuse blow-out determines the ignition of the lamp.

Terminal block type **FLD.10/D** allows the insertion of a 1 A diode (i.e. types 1N 4001 ÷ 4007 or BY 127) or 3 A diode (i.e. types BY 251 ÷ 255 or 1N 5401 ÷ 5407).

NOTE:
- Ø 6 x 25 mm or Ø 6,3 x 23 mm are not of normal supply
- F5 fuse and LSN lamp are supplied separately

CF6
Cat. No. FL304

CF5L
Cat. No. FL204

CFD
Cat. No. FL504

(*) values referred to the insulating characteristics of the terminal block

beige version	**FLD.10/F6** Cat. No. **FL300**	**FLD.10/F5L** Cat. No. **FL200**	**FLD.10/D** Cat. No. **FL500**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for fuse and signal lamp	for fuse and signal lamp	for diode
rated cross-section (mm²)	10	10	10
connecting capacity			
flexible (mm²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
rigid (mm²)	0,5 ÷ 16	0,5 ÷ 16	0,5 ÷ 16
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 6,3 A max / B6	800 V (*) / 6,3 A max / B6	800 V (*) / 6,3 A / B6
rated voltage / rated current / AWG / tightening torque value UL	-	-	-
(Ex e) rated voltage ⊏⊐ / ⊓⊔ (V)	-	-	-
rated impulse withstand voltage / pollution degree	6 kV (*) / 3	6 KV (*) / 3	6 kV (*) / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / recommended) (Nm)	1,2/ 1,9	1,2 / 1,9	1,2 / 1,9
height / width / thickness ⊓⊔ TH/35 7,5 mm	-	-	-
height / width / thickness ⊔⊓ TH/35 15 mm	-	-	-
height / width / thickness ⊏⊐ G32	64 / 63 / 11	64 / 63 / 11	64 / 63 / 11

APPROVALS

KEMA KEUR · Terna LV 27/5 · Enel Distribuzione DV 27/5

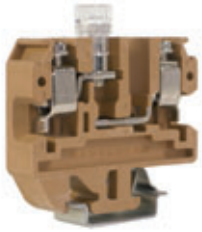
ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	beige	**FLD/PT**	FL101	**FLD/PT**	FL101	**FLD/PT**	FL101
	blue	-		-		-	
Switchable cross connection		-		-		-	
Permanent cross connection		-		-		-	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFU/6**	DU06..	**DFU/6**	DU06..	**DFU/6**	DU06..
Miniature fuse Ø 5x20 mm		-		**F5**	FN...	-	
Signal lamp		**LSN**	FL202	**LSN**	FL202	-	
Test plug socket		-		-.		-	
Test plug		-		-		-	
Warning plate	on adjacent terminal blocks	-		-		-	
Cover for cross-connection		-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/DIN/PO for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001	**BT/DIN/PO** for PR/DIN only	BT001
		-		-		-	
Mounting rail ⊏⊐		**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.		**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
		PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
	⊓⊔	-		-		-	
		-		-		-	

Fuse-holders

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type

For our (Ø 5 x 20 mm) F5 type fuse

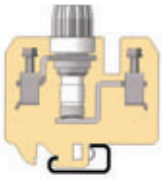


NOTE:
Version suited to be mounted onto rails acc. to IEC 60715 Std., TH35 type

Terminal blocks type **VL.16** and **VL.16/0** are suited for fuses type:

- Ø 13 x 50 mm - 500 V **E 16** DIAZED
- Ø 14 x 51 mm - 500 V

Connection of internal metallic parts



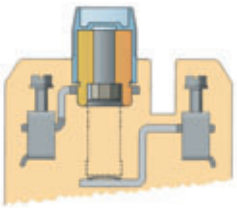
(*) values referred to the insulating characteristics of the terminal block

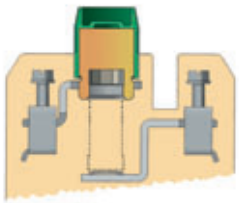
beige version	VLM.10 Cat. No. VL200	VLM.10/0 Cat. No. VL400	VL.16 Cat. No. VL300
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for fuse	for fuse	for fuse E16
rated cross-section (mm²)	10	10	16
connecting capacity			
flexible (mm²)	1,5 ÷ 16	1,5 ÷ 16	1,5 ÷ 25
rigid (mm²)	1,5 ÷ 16	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	10 - WP100/21	10 - WP100/21	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 12,5 A max / B6	800 V (*) / 12,5 A max / B6	800 V (*) / 25 A max / B7
rated voltage / rated current / AWG / tightening torque value UL	600 V / 15 A / 16-6 AWG / 1,5 Nm	600 V / 15 A / 16-6 AWG / 1,5 Nm	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 KV (*) / 3	8 kV (*) / 3
insulation stripping length (mm)	12	12	13
tightening torque value (test / recommended) (Nm)	1,2/ 1,9	1,2 / 1,9	1,8 / 3
height / width / thickness TH/35 7,5 mm	-	64 / 63 / 13	-
height / width / thickness TH/35 15 mm	-	71 / 63 / 13	-
height / width / thickness G32	64 / 63 / 13	-	86 / 79 / 29
APPROVALS	c UL us, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8	c UL us, Lloyd's Register, Terna LV 27/8, Enel Distribuzione DV 27/8	c UL us
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections beige	**VLM/PT** VL201	**VLM/PT** VL201	-
blue	-	-	-
Switchable cross connection	-	-	-
Permanent cross connection 250 mm	**POF/54** POF54	**POF/54** POF54	**POF/55** POF55
Multiple common bar 250 mm	**PMP/54** PMP54	**PMP/54** PMP54	**PMP/55** PMP55
Shunting screw and sleeve	**CPM/03** CPM03	**CPM/03** CPM03	**CPM/05** CPM05
Coloured partition red, green, white	**DFU/3** DU03..	**DFU/3** DU03..	-
Miniature fuse Ø 5x20 mm	**F5** FN..	**F5** FN...	-
Signal lamp	-	-	-
Test plug socket	**PSD/B** PD002	**PSD/B** PD002	**PSD/B** PD002
Test plug	**SDD/2** DD002	**SDD/2** DD002	**SDD/2** DD002
Warning plate on adjacent terminal blocks	-	-	-
Cover for cross-connection	-	-	-
Marking tag printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
	CSC (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...
End bracket	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
	BT/DIN/PO for PR/DIN only BT001	-	**BT/DIN/PO** for PR/DIN only BT001
	-	**BT/3** for PR/3 only BT003	-
Mounting rail according to IEC 60715 Std.	**PR/DIN/AC** of steel PR001	-	**PR/DIN/AC** of steel PR001
	PR/DIN/AS same with slots PR004	-	**PR/DIN/AS** same with slots PR004
	PR/DIN/AL of aluminium PR002	-	**PR/DIN/AL** of aluminium PR002
	-	**PR/3/AC** of steel PR003	-
	-	**PR/3/AS** same with slots PR005	-

Fuse-holders

with melamine insulating body

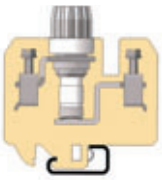
- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type





Terminal blocks type VL.16 and VL.16/0 are suited for fuses type:
- Ø 13 x 50 mm - 500 V E 16 DIAZED
- Ø 14 x 51 mm - 500 V

Connection of internal metallic parts



(*) values referred to the insulating characteristics of the terminal block

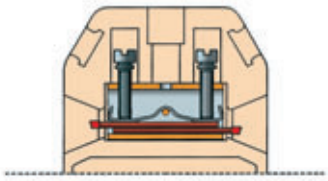
beige version	VL.16/0 Cat. No. VL500	VL.16/0-R Cat. No. VL510	VL.16/0-M Cat. No. VL520
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	for fuse E16	for 10,3 x 38,1 mm, cc (rejection type) fuse	for 10,3 x 38,1 mm, midget (non rejection type) fuse
rated cross-section (mm²)	16	16	16
connecting capacity			
flexible (mm²)	1,5 ÷ 25	1,5 ÷ 25	1,5 ÷ 25
rigid (mm²)	1,5 ÷ 25	1,5 ÷ 25	1,5 ÷ 25
max. flexible with ferrule (mm²)-ferrule type	16 - WP160/22	16 - WP160/22	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V (*) / 25 A max / B7	800 V (*) / 25 A max / B7	800 V (*) / 25 A max / B7
rated voltage / rated current / AWG UL - cUL	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm	600 V / 30 A / 20 ÷ 4 AWG / 2,2 Nm
(Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	8 kV (*) / 3	8 KV (*) / 3	8 kV (*) / 3
insulation stripping length (mm)	13	13	13
tightening torque value (test / recommended) (Nm)	1,8/ 3	1,8/ 3	1,8 / 3
height / width / thickness TH/35 7,5 mm	86 / 79 / 29	86 / 79 / 29	86 / 79 / 29
height / width / thickness TH/35 15 mm	94 / 79 / 29	94 / 79 / 29	94 / 79 / 29
height / width / thickness G32	-	-	-
APPROVALS	c UL us	c UL us	c UL us

ACCESSORIES		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	beige	-		-		-	
	blue	-		-		-	
Switchable cross connection		-		-		-	
Permanent cross connection	250 mm	**POF/55**	POF55	**POF/55**	POF55	**POF/55**	POF55
Multiple common bar	250 mm	**PMP/55**	PMP55	**PMP/55**	PMP55	**PMP/55**	PMP55
Shunting screw and sleeve		**CPM/05**	CPM05	**CPM/05**	CPM05	**CPM/05**	CPM05
Coloured partition	red, green, white	-		-		-	
Miniature fuse Ø 5x20 mm		-		-		-	
Signal lamp		-		-		-	
Test plug socket		**PSD/B**	PD002	**PSD/B**	PD002	**PSD/B**	PD002
Test plug		**SDD/2**	DD002	**SDD/2**	DD002	**SDD/2**	DD002
Warning plate	on adjacent terminal blocks	-		-		-	
Cover for cross-connection		-		-		-	
Marking tag	printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
		CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket		**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		-		-		-	
		BT/3 for PR/3 only	BT003	**BT/3** for PR/3 only	BT003	**BT/3** for PR/3 only	BT003
Mounting rail according to IEC 60715 Std.		-		-		-	
		-		-		-	
		-		-		-	
		PR/3/AC of steel	PR003	**PR/3/AC** of steel	PR003	**PR/3/AC** of steel	PR003
		PR/3/AS same with slots	PR005	**PR/3/AS** same with slots	PR005	**PR/3/AS** same with slots	PR005

For thermocouples

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 134 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



(*) values referred to the insulating characteristics of the terminal block

beige version	**TC/DIN** Cat. No.	**TC110**
(Ex)i version	**TC/DIN (Ex)i** Cat. No.	**TC210**
TECHNICAL CHARACTERISTICS		
function / type		for thermocouple circuits
rated cross-section	(mm²)	-
connecting capacity		
flexible	(mm²)	Ø 0,8 a 1,3 mm thermocouples
rigid	(mm²)	-
max. flexible with ferrule (mm²)-ferrule type		-
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / - / -
rated voltage / rated current / AWG	UL	500
(Ex e) rated voltage ⊏⊐ / ⊓⊔	(V)	500
rated impulse withstand voltage / pollution degree		8 kV / 3
insulation stripping length	(mm)	20
tightening torque value (test / recommended)	(Nm)	0,5 / 1,2
height / width / thickness	⊓⊔ TH/35 7,5 mm	-
height / width / thickness	⊔⊓ TH/35 15 mm	-
height / width / thickness	⊏⊐ G32	47 / 36 / 5,5
APPROVALS		KEMA KEUR, Ex, UL
ACCESSORIES		**Type** / **Cat. No.**
End sections	beige blue	**EDM/2/PT** ED101 **EDM/2/PT (Ex)i** EI101
Permanent cross connection (premontato)		-
Switchable cross connection		-
Multiple common bar	250 mm	-
Shunting screw and sleeve		-
Coloured partition	red, green, white	**DFU/1** DU01..
Cross connection barrier	red	-
Test plug socket		-
Test plug		-
Modular test plug		-
End section for modular test plug		-
Numbering strip		**SNZ/5** SN001
Warning plate	on adjacent terminal blocks	-
		-
Cover for cross-connection		-
Marking tag	printed or blank	**CNU/8** NU... **CSC** (with ADR adapter) CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005 **BT/DIN/PO** for PR/DIN only BT001 -
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001 **PR/DIN/AS** same with slots PR004 **PR/DIN/AL** of aluminium PR002
	⊓⊔	-
		-

(TC/DIN) - Special version of feed-through EDM.2, terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, thermocouple circuits of any type can be tightened up without the intervention of any other compensation material.

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those having different diameters, stripped of their insulating protection for a length of 20 mm, are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as it happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.

CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type

Within the range of melamine insulated feed-through terminal blocks, **CDA** series terminals represent the so-called “power terminal blocks”, with relatively large rated cross sections and consequently high current carrying capacity. The series is formed by homotetic terminal blocks, in the following rated cross-sections in mm^2, referred to flexible conductors:

70 120 185

For each of the three sizes, three different versions are available, depending on the **type of connection:**

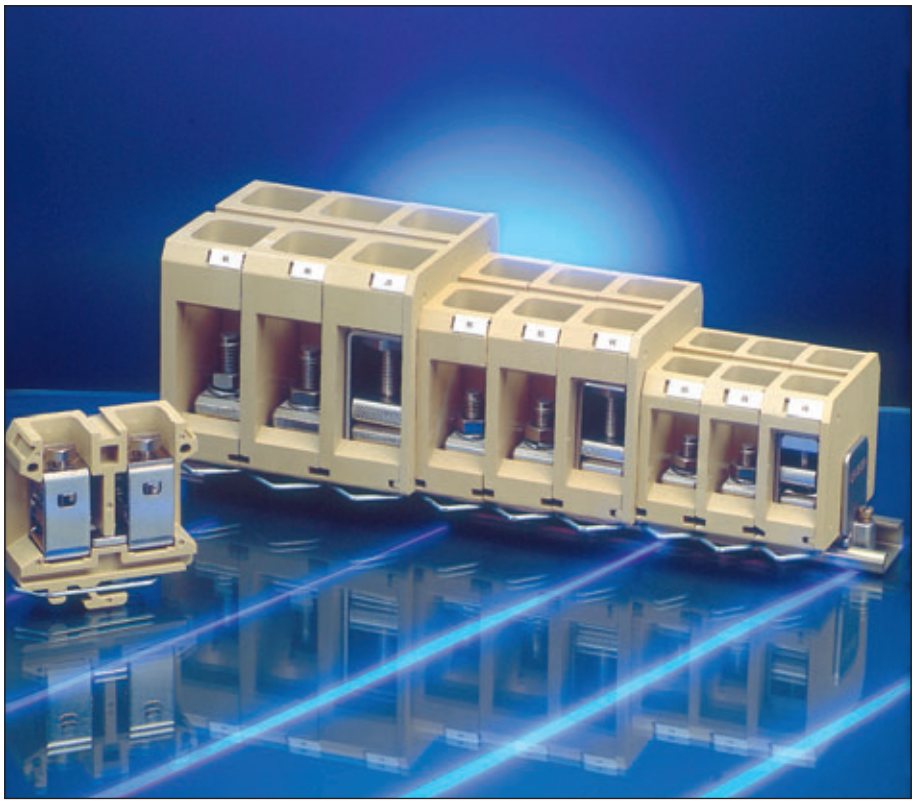
- bar/bar (/BB):
which allows the connection, on both sides, of conductors provided with lugs or two bars

- bar/cable (/BC):
which allows the connection of two cables, of which one is provided with a lug and the other is without special preparation

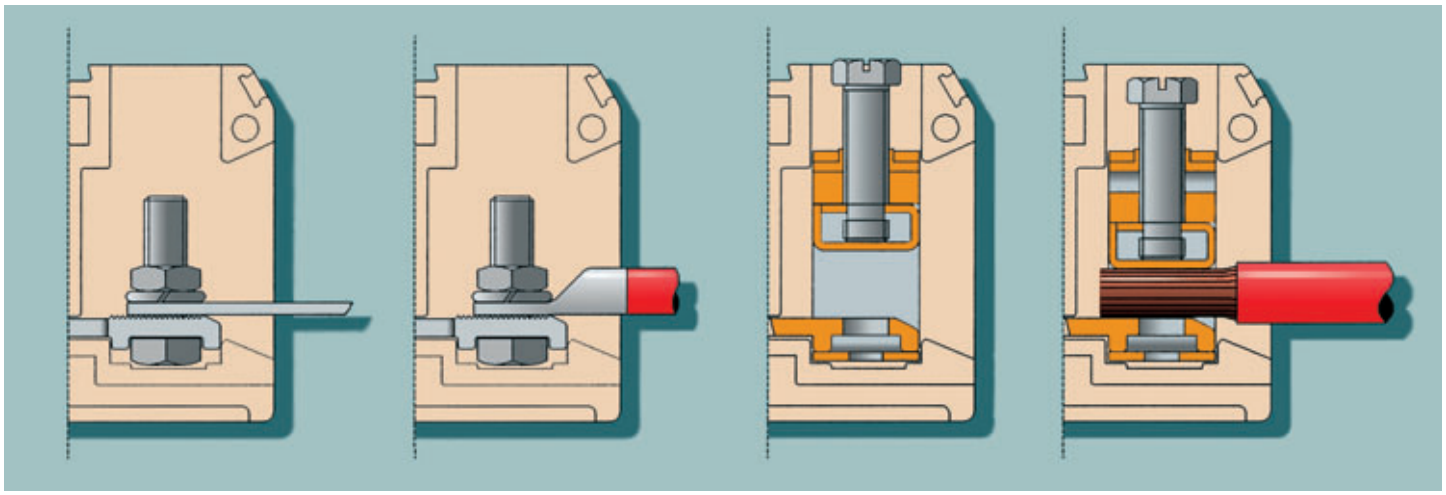
- cable/cable (/CC):
which allows, on both sides, the connection of conductors without special preparation.

CDA series terminal blocks have the possibility to be modified according to the specific needs; in fact from the bar/bar version it is possible to obtain the bar/cable or the cable/cable version, by simply removing the screw, the washer and the nut from either one or both the sides of the conducting busbar and inserting one or two CDA/CO wire clamping collars, which can be supplied apart as normal accessories.

tightening reliability:
the clamping of the cable lug or the bar onto the conducting busbar is secured by means of a screw and a nut and with the interposition of a grower washer.
In the collar clamping versions, the reliability is guaranteed by the particular shape of the pressure block, manufactured in such a way as to exploit the reaction to the pressure force on the conductors as a lock for the screw, even in presence of vibrations and other dynamic stress.
Furthermore, both the conducting busbar and the pressure lock are provided with transversal grooving which ensure a perfect electrical contact an efficient mechanical retention.



NOTE:
in the wire clamping collar versions, the tightening screw is provided with both the slot for the screwdriver (of adequate dimension) for the preliminary tightening of the conductor, and with hexagon head for the definitive tightening, up to the requested values of tightening torque.



easy cable insertion:
in the wire clamping collar versions, the insertion of the conductor is eased by:

- sloping entrance planes on the insulating body
- the rounded shape of the pressure block
- chamfering on the conducting busbar
- adequate dimensioning of the conductor insertion hole.

To this regard, CDA terminal blocks offer a capacity greatly exceeding the indicated rated reference values, in fact the maximum conductors which can be effectively connected are:

- flexible:

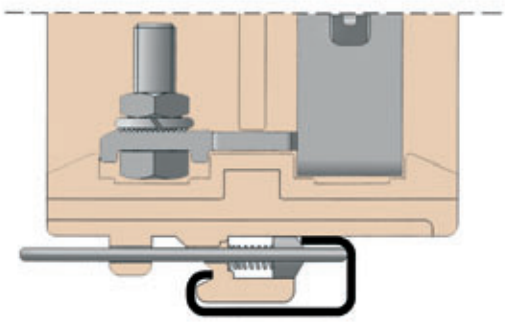
70 150 240 mm²

- rigid:

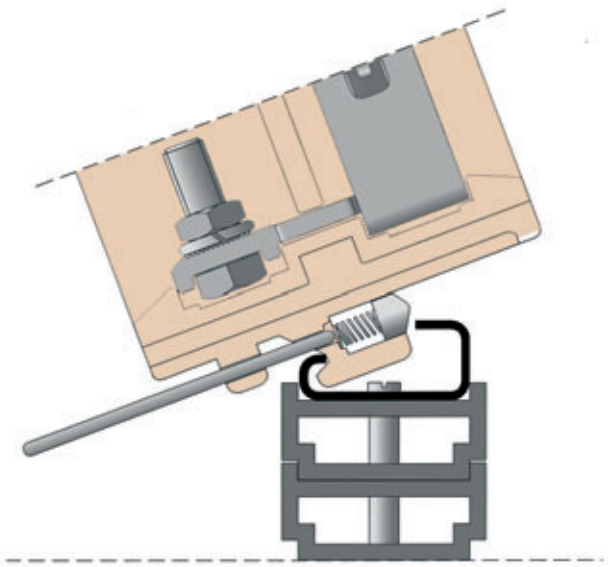
95 185 240 mm²

marking:
CDA series terminal blocks are suited to be marked with CNU/8 or CSC (the latter system requires an ADR adapter).
The slots on the upper front side of each terminal block allow the insertion of further indication related to the entire terminal board.

mounting:
as these terminal blocks are suitable for the connection of very heavy and poorly ductile conductors, a fork-type locking pin has been inserted in the foot of the insulating body in order to grant major stability on the mounting rail. During mounting it is necessary to the consider proper spacing for the fully unlocked pin.



In case the mounting rail is placed on a flat surface, CDA terminal block dimensions require the use of a supporting bracket (ACI121213 type), in order to distance adequately the terminal board from the panel itself. For CDA.70, only one bracket is required, whilst two are requested for CDA.120 and CDA.185.



CDA Series high current terminal blocks

with melamine insulating body

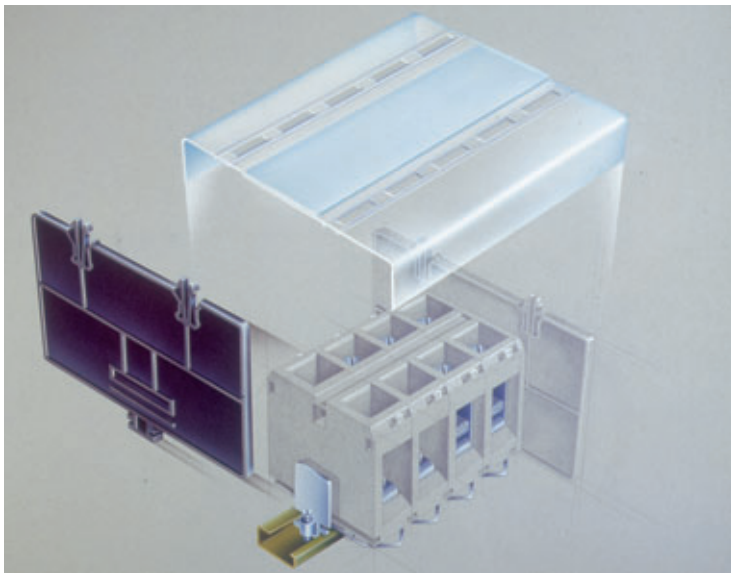
- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type

protection:
CDA terminal blocks can be further protected against direct and/or accidental contact by means of proper PRT type covers (of different sizes: medium or big) of self-extinguishing transparent material. These covers are supplied in standard length of 200 mm (corresponding to the total width of 4 adjoining blocks) and must be inserted on SPS supports, also of self-extinguishing material. PRT covers allow the protection of one side of the terminal block; the complete protection of the terminal board is obtained by two covers, which overlap once mounted.

- for terminal blocks type CDA.70 and 120 **PRT/M+SPS/5**

- for terminal blocks type CDA.185 **PRT/M+SPS/7**

PRT/G size must be used when the conductors come from the back of the board or, otherwise, when one or more connection points, not used, must be nevertheless protected.



CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type
- **CESI 02 ATEX 163 U** Ex e certificate
  I M2 / II 2 G D operating temperature range:
  –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14

beige version	CDA.70/CC Cat. No. CD300	CDA.120/CC Cat. No. CD600	CDA.185/CC Cat. No. CD910
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	70	120	185
connecting capacity			
flexible (mm²)	2,5 ÷ 70	6 ÷ 150	6 ÷ 240
rigid (mm²)	2,5 ÷ 95	4 ÷ 185	4 ÷ 240
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 192 A / B11	800 V / 269 A / B13	800 V / 353 A / B15
rated voltage / rated current / AWG / tightening torque value UL	600 V / 175 A / 12-2/0 AWG / 10 Nm	600 V / 255 A / 12-250 kcmil / 25 Nm	600 V / 310 A / 10-350 kcmil / 30 Nm
(Ex e) rated voltage ⊏⊐ / ⊐⊏ (V)	630	630	630
rated impulse withstand voltage / pollution degree	8 kV / 3	8 kV / 3	8 kV / 3
insulation stripping length (mm)	27	32	40
tightening torque value (test / recommended) (Nm)	3,5 / 6 (13 mm wrench)	4 / 10 (15 mm wrench)	- / 14 (17 mm wrench)
height / width / thickness ⊐⊏ TH/35 7,5 mm	-	-	-
height / width / thickness ⊐⊏ TH/35 15 mm	-	-	-
height / width / thickness ⊏⊐ G32	83 / 83 / 27	101 / 96 / 32	117 / 110 / 38
APPROVALS	Ex c UL us, Terna LV 27/1, Enel Distribuzione DV 27/1	Ex c UL us, Terna LV 27/1, Enel Distribuzione DV 27/1	Ex c UL us, Terna LV 27/1, Enel Distribuzione DV 27/1

ACCESSORIES	CDA.70/CC Type	Cat. No.	CDA.120/CC Type	Cat. No.	CDA.185/CC Type	Cat. No.
End sections	**CDA/70/PT**	CD101	**CDA/120/PT**	CD401	**CDA/185/PT**	CD701
Clamping collar	**CDA/70/CO**	CD102	**CDA/120/CO**	CD402	**CDA/185/CO**	CD703
Protection cover	**PRT/M**	PRT02	**PRT/M**	PRT02	**PRT/M**	PRT02
Protection cover support	**SPS/5**	SPS05	**SPS/5**	SPS05	**SPS/7**	SPS07
Mounting rail support	**ACI121213**	Z121213	**ACI121213**	Z121213	**ACI121213**	Z121213
Marking tag printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
	CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
	CDA/BT	CD003	**CDA/BT**	CD003	**CDA/BT**	CD003
	-		-		-	
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
	PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
	PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⊐⊏	-		-		-	
	-		-		-	

CDA Series high current terminal blocks

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 163 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14

(*) the length indicated is the maximum length available for the relevant connection. By using bars and/or non-insulated cable-lugs, the rated insulation voltage is guaranteed respectively up to a width of: 17 mm (for the .70), 22 mm (for the .120), 28 mm (for the .185). For greater widths, a partition must be used

(**) tightening: with a screwdriver / hex wrench

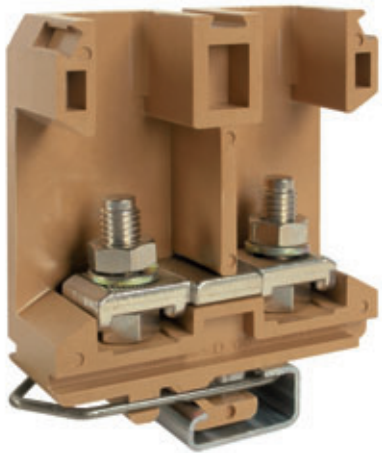
	(***) distance between the cable lug fixing screw axis and the conductor body: 10 mm	*(***) distance between the cable lug fixing screw axis and the conductor body: 12 mm*	*(***) distance between the cable lug fixing screw axis and the conductor body: 15 mm*
beige version	**CDA.70/BC** Cat. No. **CD200**	**CDA.120/BC** Cat. No. **CD500**	**CDA.185/BC** Cat. No. **CD810**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function / type	feed-through	feed-through	feed-through
rated cross-section (mm²)	70	120	185
connecting capacity			
flexible (mm²)	2,5 ÷ 70	6 ÷ 150	6 ÷ 240
rigid (mm²)	2,5 ÷ 95	4 ÷ 185	4 ÷ 240
barre o capicorda (*)	21 mm max width (M8 bolt) (***)	25 mm max width (M10 bolt) (***)	30 mm max width (M12 bolt) (***)
rated voltage / rated current / gauge conf. to IEC 60947-7-1	800 V / 192 A / B11	800 V / 269 A / B13	800 V / 353 A / B15
rated voltage / rated current / AWG / tightening torque value UL	600 V / 175 A / 12-2/0 AWG / 10 Nm	600 V / 255 A / 12-250 kcmil / 25 Nm	600 V / 310 A / 10-350 kcmil / 30 Nm
(Ex e) rated voltage ⊏⊐ / ⌣ (V)	630	630	630
rated impulse withstand voltage / pollution degree	8 kV / 3	8 KV / 3	8 kV / 3
insulation stripping length (mm)	27	32	40
coppia di serraggio / cavo (**) (Nm)	3,5 / 6 (13 mm wrench)	4 / 10 (15 mm wrench)	- / 14 (17 mm wrench)
coppia di serraggio / barra (Nm)	- / 3 (13 mm wrench)	- / 6 (13 mm wrench)	- / 14 (19 mm wrench)
height / width / thickness ⌣ TH/35 7,5 mm	-	-	-
height / width / thickness ⊔ TH/35 15 mm	-	-	-
height / width / thickness ⊏⊐ G32	83 / 83 / 27	101 / 96 / 32	117 / 110 / 38
APPROVALS	c UL us, CSA, Ex	c UL us, CSA, Ex	c UL us, CSA, Ex

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	**CDA/70/PT**	CD101	**CDA/120/PT**	CD401	**CDA/185/PT**	CD701
Clamping collar	**CDA/70/CO**	CD102	**CDA/120/CO**	CD402	**CDA/185/CO**	CD703
Protection cover	**PRT/M**	PRT02	**PRT/M**	PRT02	**PRT/M**	PRT02
Protection cover support	**SPS/5**	SPS05	**SPS/5**	SPS05	**SPS/7**	SPS07
Mounting rail support	**ACI121213**	Z121213	**ACI121213**	Z121213	**STP** (***)	ST001
Marking tag printed or blank	**CNU/8**	NU...	**CNU/8**	NU...	**CNU/8**	NU...
	CSC (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...	**CSC** (with ADR adapter)	CS...
End bracket	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
	CDA/BT	CD003	**CDA/BT**	CD003	**CDA/BT**	CD003
	-		-		-	
Mounting rail ⊏⊐ according to IEC 60715 Std.	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
	PR/DIN/AS same with slots	PR004	**PR/DIN/AS** same with slots	PR004	**PR/DIN/AS** same with slots	PR004
	PR/DIN/AL of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002	**PR/DIN/AL** of aluminium	PR002
⌣	-		-		-	
	-		-		-	

CDA Series high current terminal blocks

with melamine insulating body

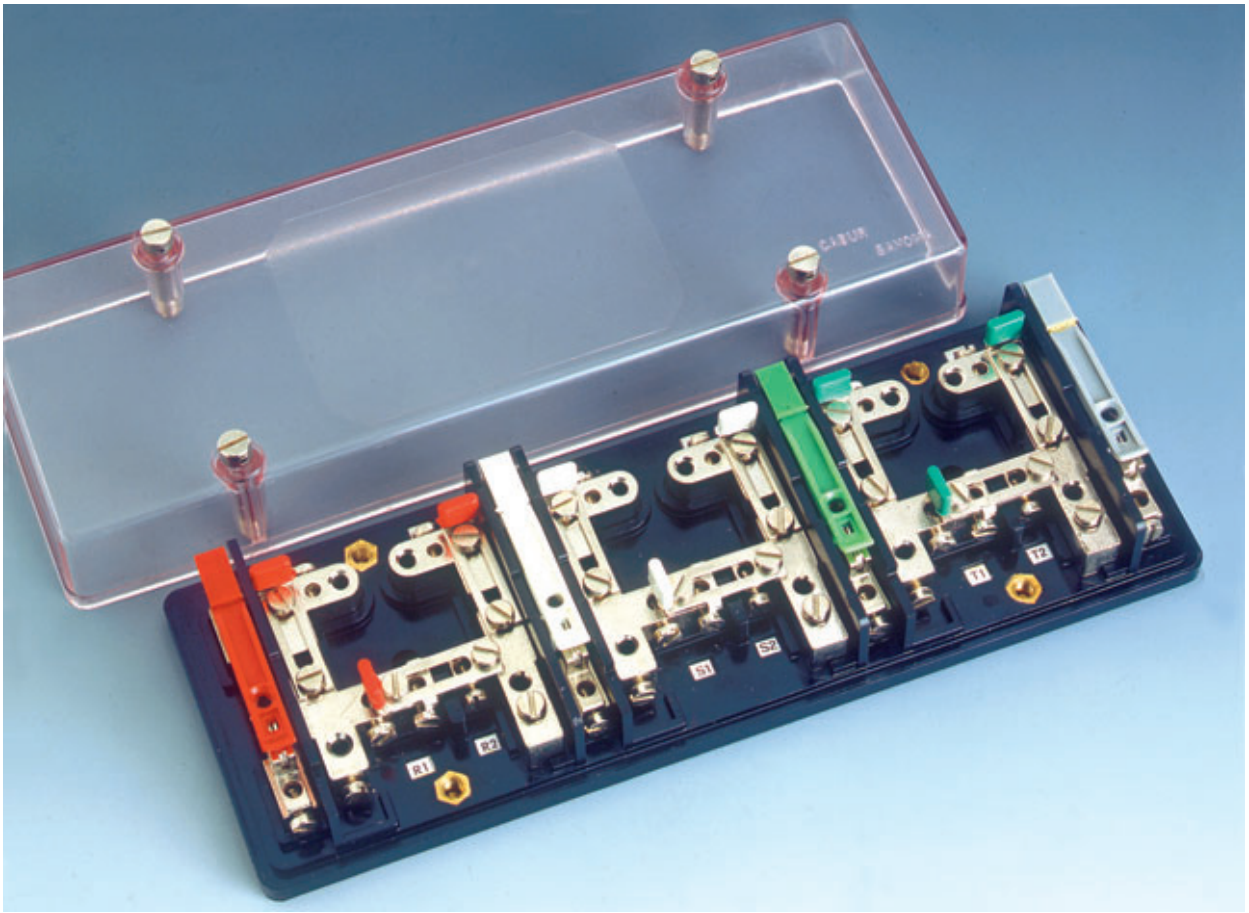
- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., “G32” type
- **CESI 02 ATEX 163 U** Ex e certificate I M2 / II 2 G D operating temperature range: –40 ÷ +115 °C
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



(*) the length indicated is the maximum length available for the relevant connection. By using bars and/or non-insulated cable-lugs, the rated insulation voltage is guaranteed respectively up to a width of: 17 mm (for the .70), 22 mm (for the .120), 28 mm (for the .185). For greater widths, a partition must be used

		(***) distance between the cable lug fixing screw axis and the conductor body: 10 mm	*(***) distance between the cable lug fixing screw axis and the conductor body: 12 mm*	*(***) distance between the cable lug fixing screw axis and the conductor body: 15 mm*
beige version		**CDA.70/BB** Cat. No. **CD100**	**CDA.120/BB** Cat. No. **CD400**	**CDA.185/BB** Cat. No. **CD710**
(Ex)i version				
TECHNICAL CHARACTERISTICS				
function / type		feed-through	feed-through	feed-through
rated cross-section	(mm²)	70	120	185
connecting capacity				
flexible	(mm²)	-	-	-
rigid	(mm²)	-	-	-
barre o capicorda (*)		21 mm max width (M8 bolt) (***)	25 mm max width (M10 bolt) (***)	30 mm max width (M12 bolt) (***)
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	800 V / 192 A / -	800 V / 269 A / -	800 V / 353 A / -
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 175 A / 12-2/0 AWG / 10 Nm	600 V / 255 A / 12-250 kcmil / 25 Nm	600 V / 310 A / 10-350 kcmil / 30 Nm
(Ex e) rated voltage ⊏⊐ / ⎍	(V)	630	630	630
rated impulse withstand voltage / pollution degree		8 kV / 3	8 kV / 3	8 kV / 3
insulation stripping length	(mm)	-	-	-
tightening torque value (test / recommended)	(Nm)	- / 3 (13 mm wrench)	- / 6 (17 mm wrench)	- / 14 (19 mm wrench)
height / width / thickness	⎍ TH/35 7,5 mm	-	-	-
height / width / thickness	⎍ TH/35 15 mm	-	-	-
height / width / thickness	⊏⊐ G32	83 / 83 / 27	101 / 96 / 32	117 / 110 / 38
APPROVALS				
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections		**CDA/70/PT** CD101	**CDA/120/PT** CD401	**CDA/185/PT** CD701
Clamping collar		**CDA/70/CO** CD102	**CDA/120/CO** CD402	**CDA/185/CO** CD703
Protection cover		**PRT/M** PRT02	**PRT/M** PRT02	**PRT/M** PRT02
Protection cover support		**SPS/5** SPS05	**SPS/5** SPS05	**SPS/7** SPS07
Mounting rail support		**ACI121213** Z121213	**ACI121213** Z121213	**ACI121213** Z121213
Marking tag	printed or blank	**CNU/8** NU...	**CNU/8** NU...	**CNU/8** NU...
		CSC (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...	**CSC** (with ADR adapter) CS...
End bracket		**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005	**BTU** for PR/DIN and PR/3 BT005
		CDA/BT CD003	**CDA/BT** CD003	**CDA/BT** CD003
		-	-	-
Mounting rail according to IEC 60715 Std.	⊏⊐	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001	**PR/DIN/AC** of steel PR001
		PR/DIN/AS same with slots PR004	**PR/DIN/AS** same with slots PR004	**PR/DIN/AS** same with slots PR004
		PR/DIN/AL of aluminium PR002	**PR/DIN/AL** of aluminium PR002	**PR/DIN/AL** of aluminium PR002
	⎍	-	-	-
		-	-	-

Terminal boards for metering panels



Cabur control terminal boards have been developed in order to enable electric power suppliers and users to easily check measuring instruments, without interrupting the current carrying circuits during the verification itself or during the replacement of the instruments.

Each terminal board is composed by an insulating body of thermosetting resin (black phenolic resin), carrying the copper zinc alloy terminals to which the ammeter, voltmeter circuits and the devices for disconnect and short circuit operations are connected. Each terminal board is supplied with a transparent cover (of cellulose acetate), provided with appropriate captive screws for the sealing of the assembly.

The current phases are marked in different colours, to be defined when ordering.

TECHNICAL CHARACTERISTICS	
rated cross-section	6 mm²
connecting capacity	
flexible conductors	0,5 ÷ 6 mm²
rigid conductors	0,5 ÷ 6 mm²
conductors insertion hole	Ø 4,1 (mm)
tightening torque	1,2 (Nm)
rated current (conf. to IEC 60947-7-1)	57 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

MCM Series

The use of **MCM** series control terminal boards allows:

1) disconnection, upstream and downstream the measuring instruments
2) the insertion of a test instrument, downstream or upstream the measuring instruments
3) shunting, by means of common plugs, from the four connection terminals
4) voltage transmission from the beginning of the ammeter circuit to the disconnect blade by means of a simple cross connections.

In normal service, voltmeter leads are connected to the R-S-T terminals, whilst the ammeter leads, are to be inserted in the terminals identified R1-R2, S1-S2, T1-T2. The instruments are connected to terminals 1 and 2. The vertical slide-link cross connections are closed, the horizontal slide-link cross connections are open.

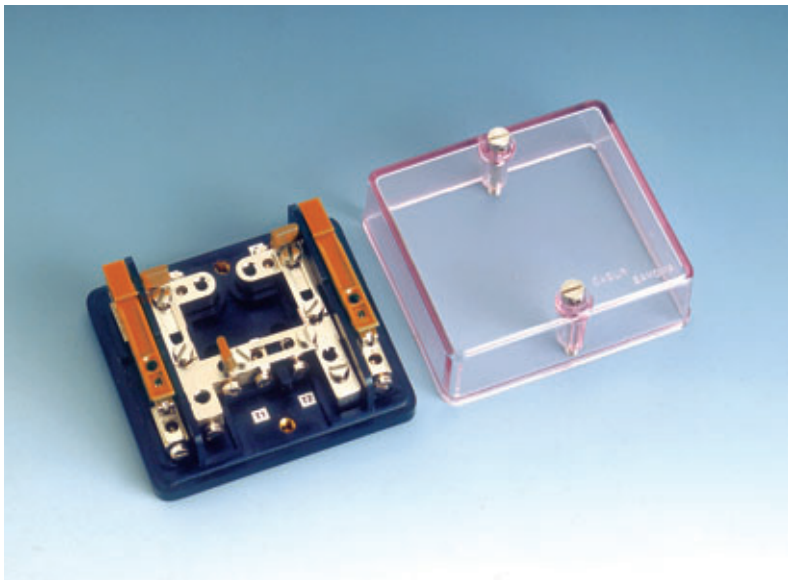
When inserting control instruments, the following instructions are to be followed:

- by means of normal plugs, the voltmeter leads must be shunted from the test instrument on to the voltage sockets of the disconnect blades or to the insertion blocks of the fuse-holders;
- the ammeter leads of the test instruments must be inserted in sockets 1 ad R1 or 2 ad R2; same procedure is to be followed for the other phases;
- therefore, the corresponding vertical slide-link must be disconnected.

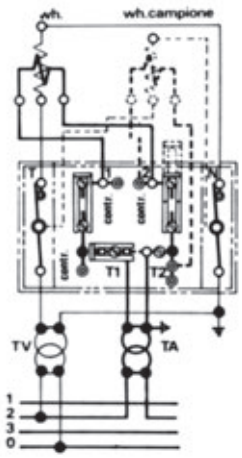
If there is a need to replace a measuring instrument, it is necessary to previously close the horizontal slide-links, disconnect the vertical slide-links and open the knives.
Feeding conductors (incoming and outcoming) are inserted from the rear of the terminal board, with conductors passing through slots on the insulating base of the terminal board.

for single-phase connected electric power meters

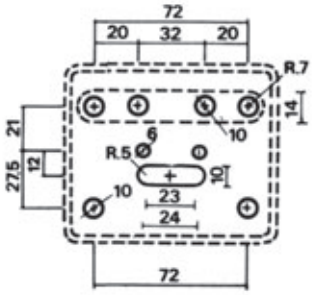
MCM.1



Overall dimension (with cover)
MCM.1: 95 x 85 x 48 mm



Application scheme



Fixing template

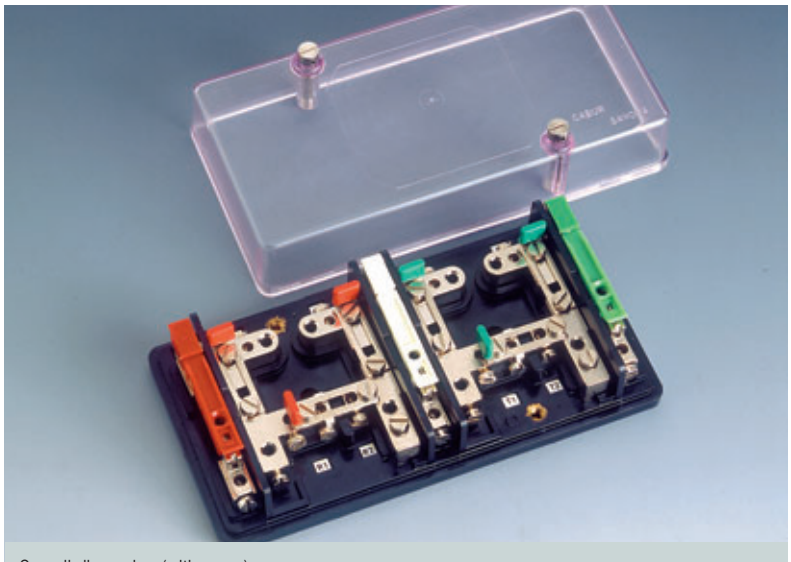
ENEL in order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.1/B (white)	**MC201B** (adopted in Campania and Lombardy)
MCM.1/G (yellow)	**MC201G** (adopted in Veneto and Trentino Alto Adige)
MCM.1/R (red)	**MC201R** (adopted in the rest of Italy)

MCM Series

for ARON connected
electric power meters

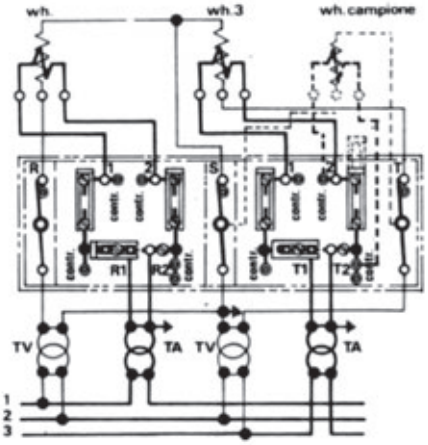
MCM.2



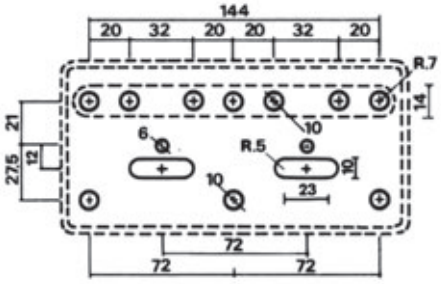
Overall dimension (with cover)
MCM.2: 170 x 85 x 48 mm

ENELin order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows::

Type	Cat. No.
MCM.2/B (white)	**MC202B** (adopted in Campania and Lombardy)
MCM.2/G (yellow)	**MC202G** (adopted in Veneto and Trentino Alto Adige)
MCM.2/R (red)	**MC202R** (adopted in the rest of Italy)



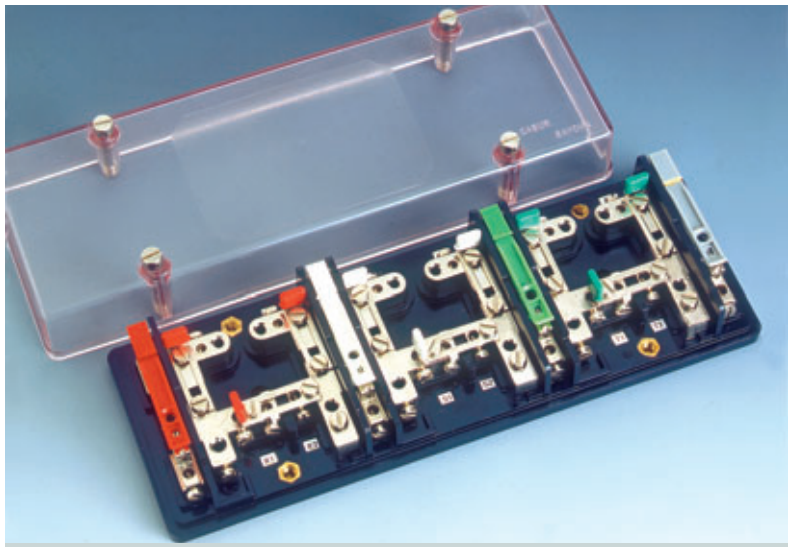
Application scheme



Fixing template

for three-phase + neutral
connected electric power meters

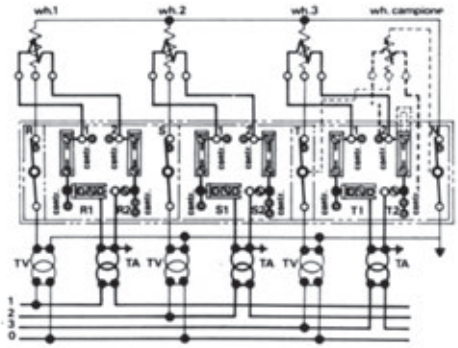
MCM.3



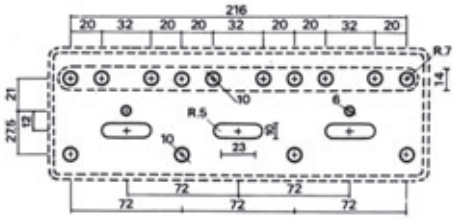
Overall dimension (with cover)
MCM.1: 95 x 85 x 48 mm

ENELin order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.3/B (white)	**MC203B** (adopted in Campania and Lombardy)
MCM.3/G (yellow)	**MC203G** (adopted in Veneto and Trentino Alto Adige)
MCM.3/R (red)	**MC203R** (adopted in the rest of Italy)



Application scheme



Fixing template

MCT/SA Series

MCT/SA series differs from MCM series in that:

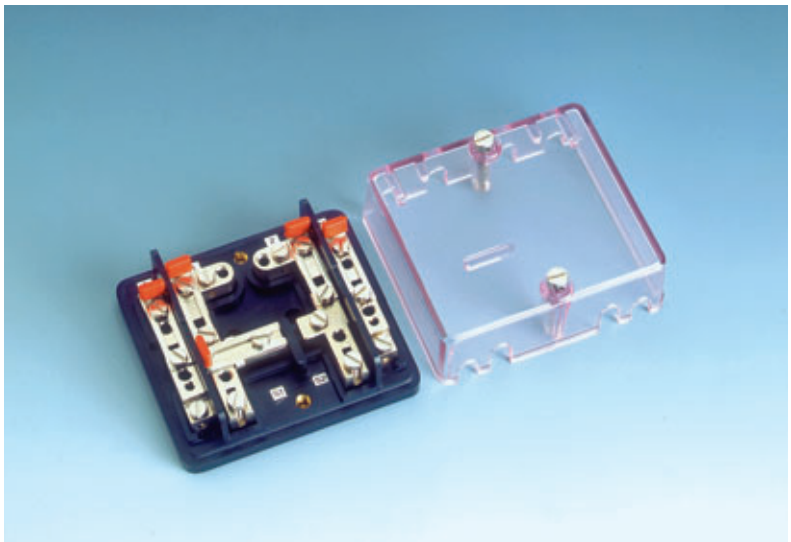
1) the disconnection of the voltmeter leads is performed by slide-links instead of knives

2) feeding conductors (incoming and outcoming) are inserted frontally instead from the rear of the terminal board, withconductors passing through slots on the upper and lower sides of the cover

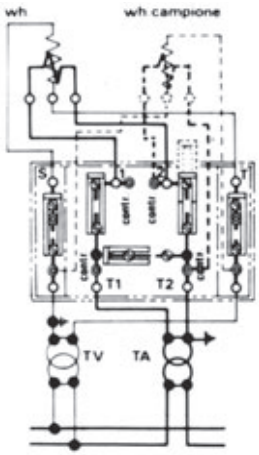
3) the cover is provided with safety locks that prevent the closing if the slide-links are not in the correct position. The employment specifications of MCT/SA terminal boards are identical to those given for MCM series.

for single-phase connected electric power meters

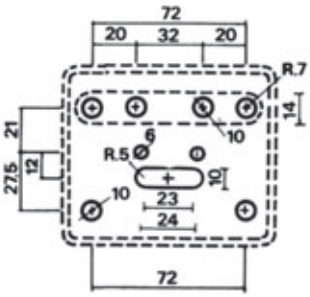
MCT.1/SA



Overall dimension (with cover)
MCT.1/SA: 95 x 85 x 48 mm



Application scheme



Fixing template

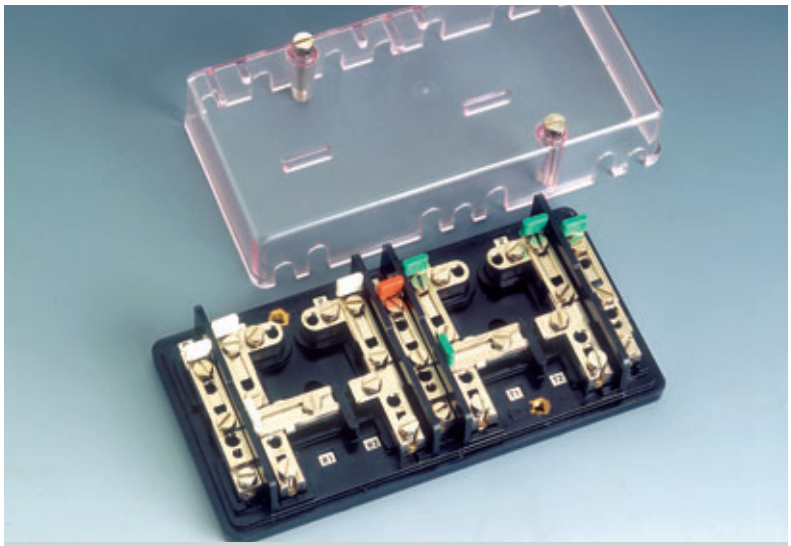
ENELin order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCT.1/SA/B (white)	**MC401B** (adopted in Campania and Lombardy)
MCT.1/SA/G (yellow)	**MC401G** (adopted in Veneto and Trentino Alto Adige)
MCT.1/SA/R (red)	**MC401R** (adopted in the rest of Italy)

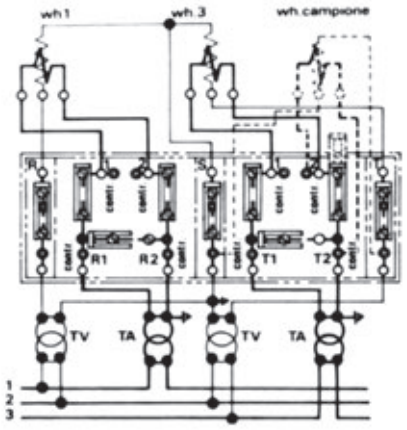
MCT/SA Series

for ARON connected
electric power meters

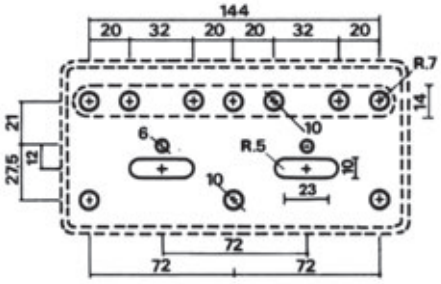
MCT.2/SA



Ingombro massimo (con coperchio inserito)
MCT.2/SA: 170 x 85 x 48 mm



Application scheme



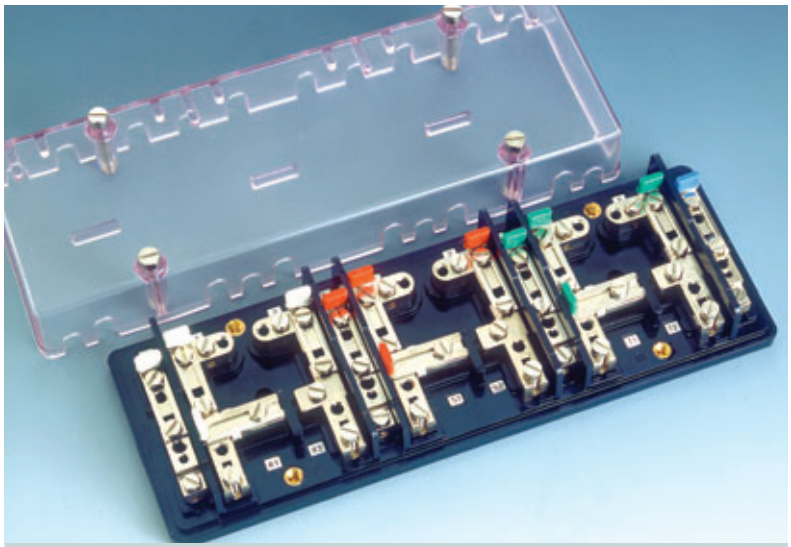
Fixing template

ENELin order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

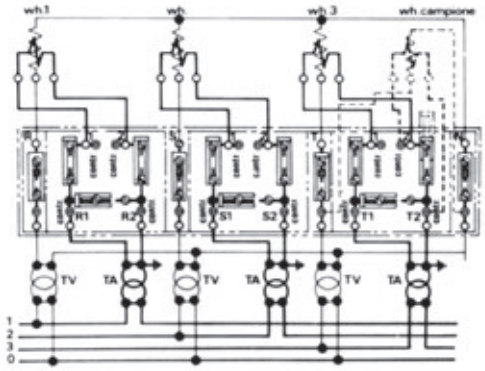
Type	Cat. No.
MCT.2/SA/B (white)	**MC402B** (adopted in Campania and Lombardy)
MCT.2/SA/G (yellow)	**MC402G** (adopted in Veneto and Trentino Alto Adige)
MCT.2/SA/R (red)	**MC402R** (adopted in the rest of Italy)

for three-phase + neutral
connected electric power meters

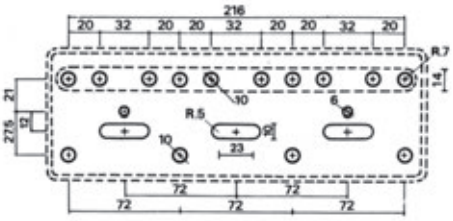
MCT.3/SA



Overall dimension (with cover)
MCT.3/SA: 245 x 85 x 48 mm



Application scheme



Fixing template

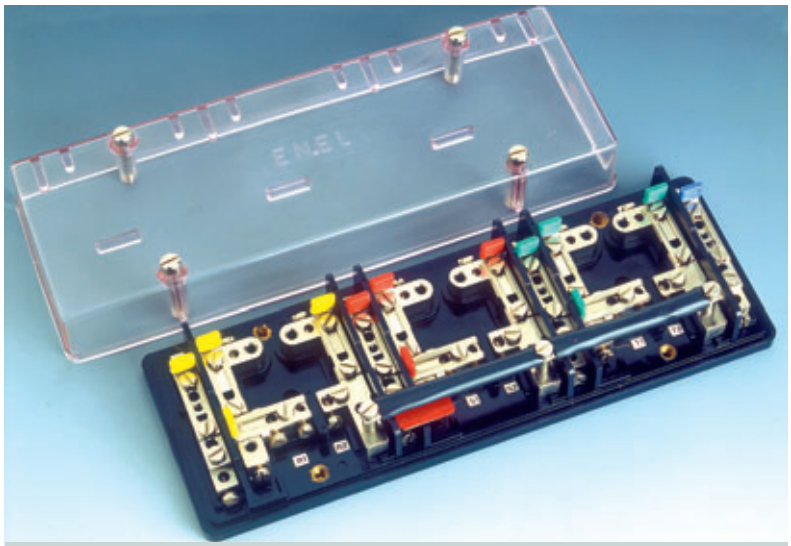
ENELin order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCT.3/SA/B (white)	**MC403B** (adopted in Campania and Lombardy)
MCT.3/SA/G (yellow)	**MC403G** (adopted in Veneto and Trentino Alto Adige)
MCT.3/SA/R (red)	**MC403R** (adopted in the rest of Italy)

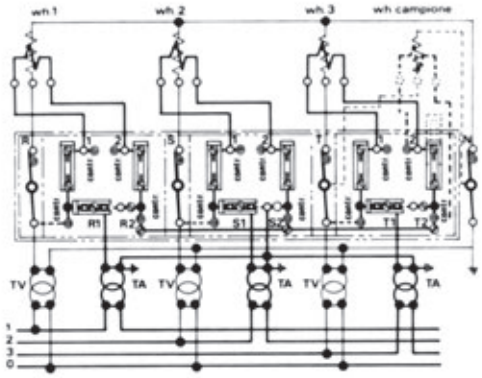
MCM Series

for three-phase + neutral
connected electric power meters

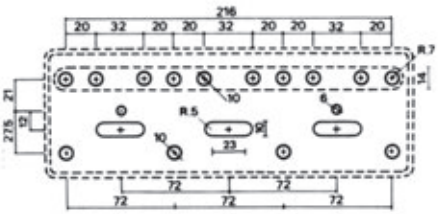
MCM.3/VE



Overall dimension (with cover)
MCM.3/VE: 245 x 85 x 48 mm



Application scheme

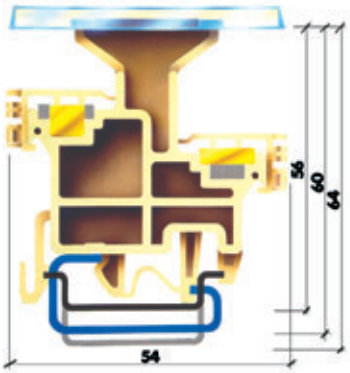


Fixing template

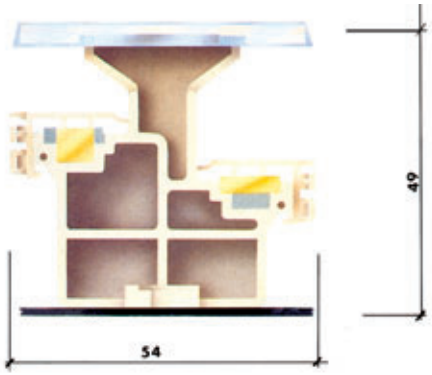
ENELin order to identify phases, has adopted a particular colour convention, based on the sections where terminal blocks are installed.
From the left, phases are identified as follows:

Type	Cat. No.
MCM.3/VE/B (white)	**MC233B** (adopted in Campania and Lombardy)
MCM.3/VE/G (yellow)	**MC233G** (adopted in Veneto and Trentino Alto Adige)
MCM.3/VE/R (red)	**MC233R** (adopted in the rest of Italy)

SDN neutral busbar supports



SDN/D

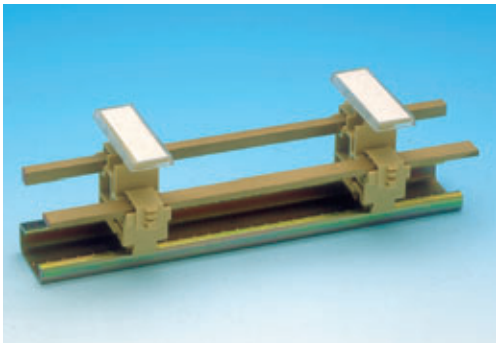


SDN/H

SDN/D (Cat. No. SD200)
to be mounted on rails according to IEC 60715 Std.

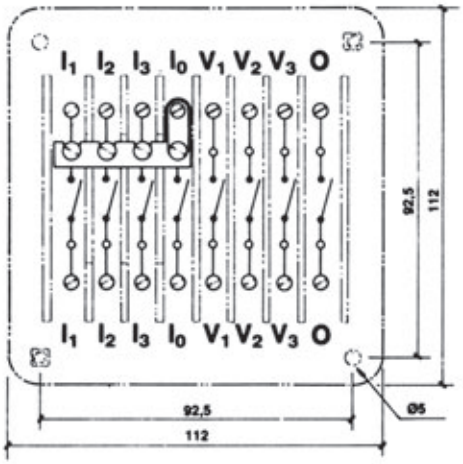
SDN/H (Cat. No. SD300)
to be screwed directly on panel

- **support pitch: 20 mm**
- **both types are suited for 6 x 6 mm or 10 x 3 mm busbars**
- **insulating body:** of beige polyamide (RAL 1001); KC 600 degree tracking resistance, UL94V-0 self-extinguishing degree. Temperature range: between - 30°C and +110°C. Provided with two housing for the marking compositions of letters or numbers (up to 3 figures), by means of CSC tags, and card holders with transparent protection for identification inscription.



MS.8x10 disconnect terminal board

8-poles, 4 ammetric and 4 voltmetric



MS/8x10/N	Cat. No.	MZ300N

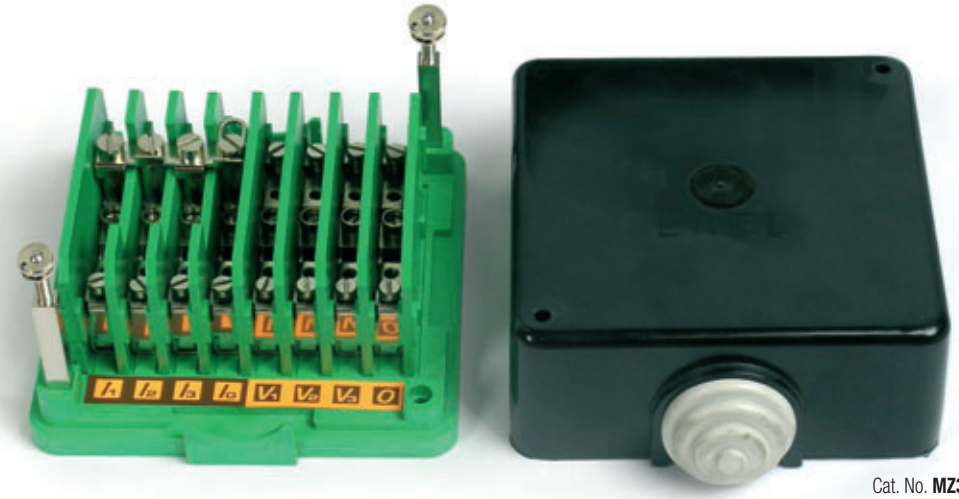
TECHNICAL CHARACTERISTICS	
rated cross-section	10 mm²
connecting capacity flexible conductors	0,5 ÷ 16 mm²
conductors insertion hole	5 x 10 (mm)
test tightening torque	120 (Ncm)
rated current (conf. to IEC 60947-7-1)	57 A
rated voltage (conf. to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3
thickness (with cover, including screws)	52 / 65 mm

Insulating body: of green polycarbonate, filled with fibreglass.
Conductor body: components of copper-zinc alloy with high percentage of copper and provided with nickel plating.
Cover: of black polyamide.

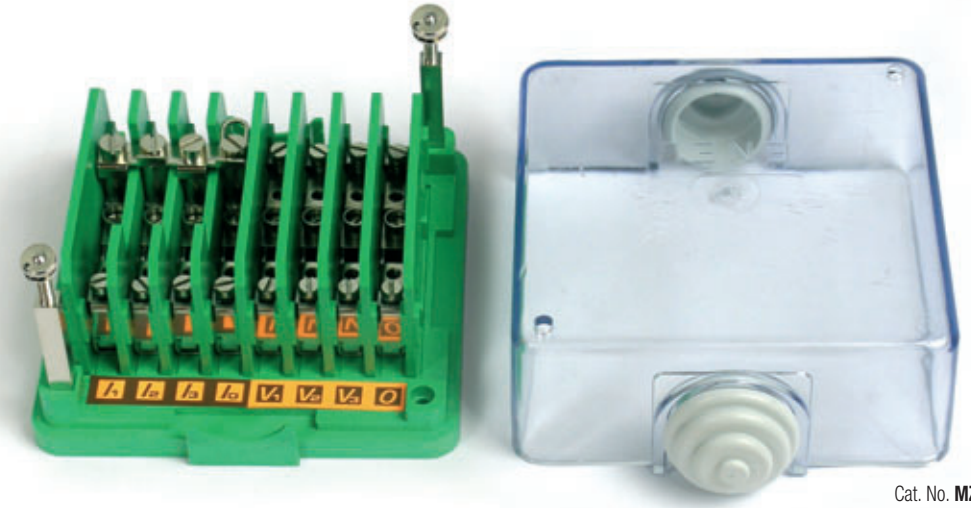
On request, the terminal board can be supplied according to different electrical schemes.

A version with cover in transparent cellulose acetate is available.

Type	Cat. No.
MS/8x10/T	MZ300T



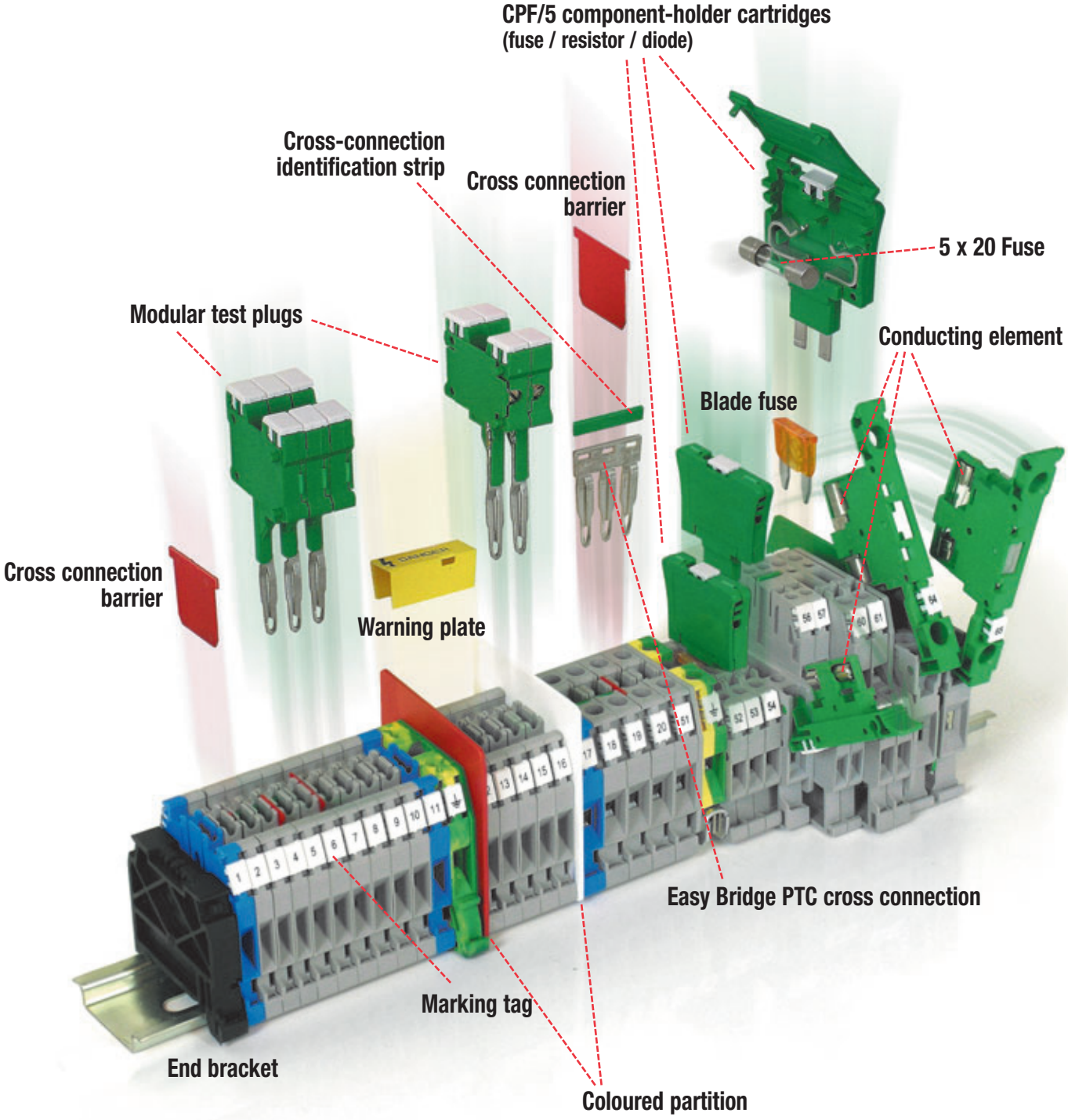
Cat. No. **MZ300N**
(black cover)



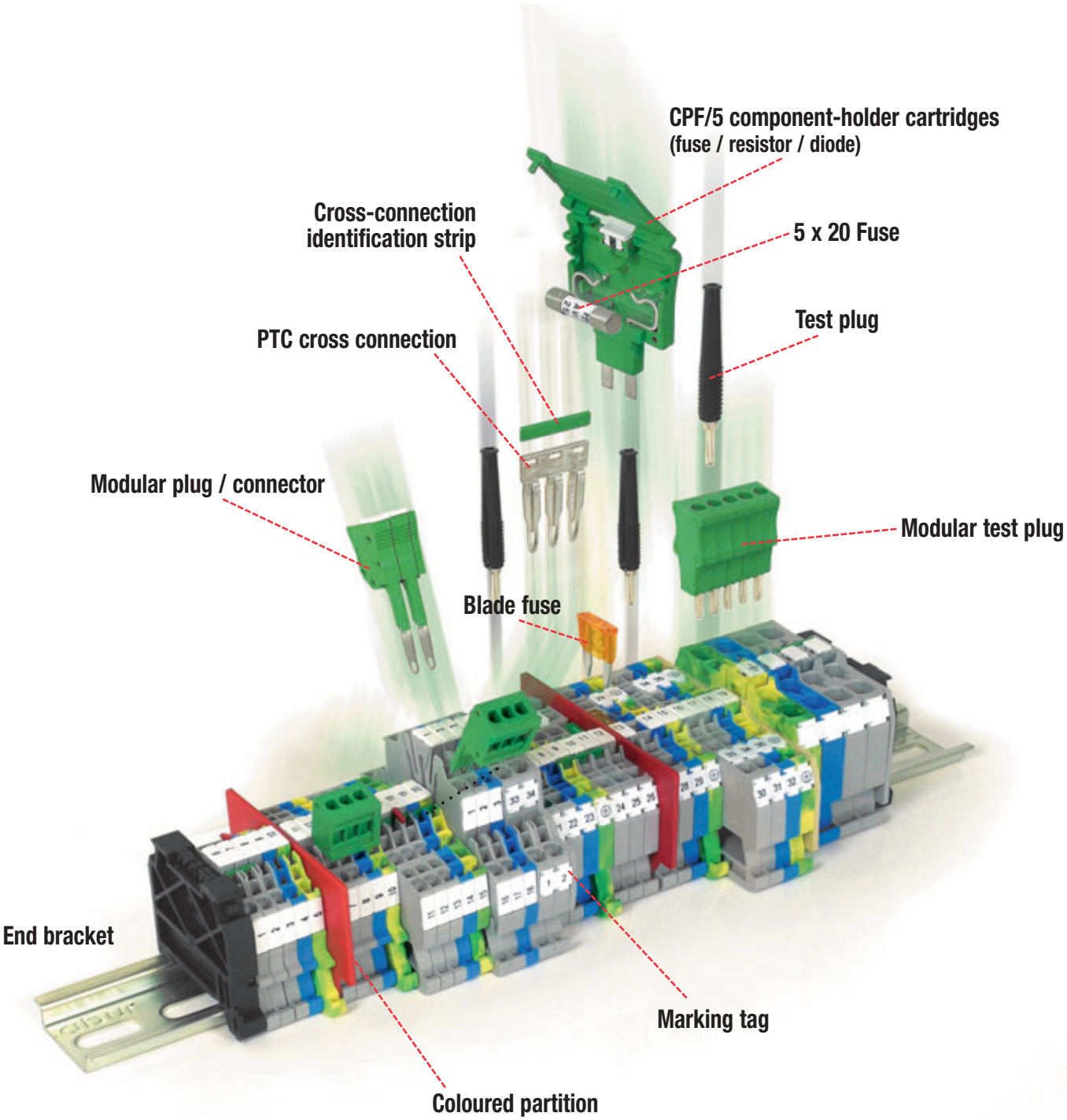
Cat. No. **MZ300T**
(transparent cover)

Accessories

Descriptive illustrations	pages 123-124
End sections	page 125
End brackets	page 126
Mounting rails	pages 127-128
Inclined brackets	pages 129-130
Flat brackets	page 131
Copper busbar blocking terminals and accessories	page 132
Pre-assembled cross-connections	page 133
Cross connections - “Easy Bridge” system - PTC series	pages 134-136
Cross connections - PH and PHD series	page 137
Permanent cross connections - POF series	page 138
Commoning bars, shunting screws and sleeves	page 139
Switchable cross connections	page 140
Modular test plugs	page 141
Test plugs and sockets	page 142
Fuses and signal accessories	page 143
Coloured partitions	page 144
Cross connection barriers and protection covers	page 145
PZM covers, PZD supports and PRP protection covers	page 146
Warning plates and MSM handle	page 147
Marking systems	pages 148-153
Specific accessories	page 154
TIM warning plate and CB/CTL pens for hand-written labelling	page 155
Screwdrivers and pliers	page 156
Ferrules	page 157
Eyelets	page 158
Spade lugs	page 159



CBC Series terminal block and relevant accessories.



H Series terminal block and relevant accessories.

PT end sections

For each type and cross section of terminal block, there is a specific insulating and closing end section to be placed on the open element of each terminal board. This end section may also be used to separate different phases of adjoining terminal blocks linked by cross connections or to increase insulation distances where specific circumstances may require it. The end sections have the ***same overall dimension as the related terminal block***, thicknesses are given in the table below.
(*) Available also in the grey colour version; to order it please add GR to the code and /GR to the name.

Terminal block		End section		
		Type	Cat. No.	Thickness mm
Polyamide				
AFO.2/1+1		**AFO/PT**	AF201	1,5
AFO.2/2+2		**AFO/PT**	AF201	1,5
AFO2/2+2/TP		**AFO/PT**	AF201	1,5
CBC.2	(*)	**CBC.2-10/PT**	CB061	1,5
CBC.4	(*)	**CBC.2-10/PT**	CB061	1,5
CBC.6	(*)	**CBC.2-10/PT**	CB061	1,5
CBC.10	(*)	**CBC.2-10/PT**	CB061	1,5
CBC.16	(*)	**CBC.16/PT**	CB161	1,5
CBC.35	(*)	**CBC.35/PT**	CB351	1,5
CBD.2		**CB2/PT**	CB111	1,5
CBD.4		**CB4/6/PT**	CB241	1,5
CBD.6		**CB4/6/PT**	CB241	1,5
CBD.10		**CB10/PT**	CB431	1,5
CBD.16		**CB16/PT**	CB511	1,5
CBD.35		**CB35/PT**	CB611	1,5
CBD.50		**CB50/PT**	CB711	1,5
CBD.70		**CB70/PT**	CB811	1,5
CBE.2		**CBR/PT**	CR111	1,5
CBR.2	(*)	**CBR/PT**	CR111	1,5
CVF.4	(*)	**CVF/PT**	CV101	1,5
CVF.4/TP	(*)	**CVF/PT**	CV101	1,5
CVF.4/TPM		**CVF/PT**	CV101	1,5
CVF.4/VS	(*)	**CVF/PT**	CV101	1,5
CVF.4/VS2		**CVF/PT**	CV101	1,5
CVF.4/WW	(*)	**CVF/PT**	CV101	1,5
DBC.2	(*)	**DBC/PT**	DB101	1,5
DAS.4	(*)	**DAS/PT**	DS101	1,5
DAS.4/CI	(*)	**DAS/PT**	DS101	1,5
DAS.4/SS	(*)	**DAS/PT**	DS101	1,5
DSFA.4	(*)	**DSS/PT**	DS301	1,5
DSS.4	(*)	**DSS/PT**	DS301	1,5
FDP.2	(*)	**FDP/PT**	FD101	1,5
FFS.4	(*)	**FFS/PT**	FF101	1,5
FVS.4	(*)	**FVS/PT**	FV101	1,5
HCD.1/GR		**HCD.1/PT/GR**	HC201GR	1,5
HMD.2/GR		**HMD/PT/GR**	HD101GR	1,5
HMF.4/GR		**HMF/PT/GR**	HF111GR	1,5
HSCB.4/GR		**HSCB.4/PT/GR**	HB101GR	1,5
HSCB.6/GR		**HSCB.6/PT/GR**	HB201GR	1,5
HMM.2/GR		**HMT.2/PT/GR**	HM501GR	1,5
HMM.2/1+2/GR		**HMT.2/1+2/PT/GR**	HM511GR	1,5
HMM.2/2+2/GR		**HMT.2/2+2/PT/GR**	HM521GR	1,5
HMM.2/2+2/S/GR		**HMT.2/2+2/PT/GR**	HM521GR	1,5
HMM.4/GR		**HMT.4/PT/GR**	HM251	1,5
HMM.1/GR		**HMT.1/PT/GR**	HM401	1,5
HMM.1/1+2/GR		**HMT.1/1+2/PT**	HM411	1,5
HMM.1/2+2/GR		**HMT.1/2+2/PT**	HM421	1,5
HMD.1/GR		**HMD.1/PT/GR**	HD201	1,5
HMD.2N/GR		**HMD.1/PT/GR**	HD201	1,5
HMM.6/GR		**HMT.6/PT/GR**	HM321	1,5
HMS.2/GR		**HMT.2/2+2/PT/GR**	HM521	1,5
HMFA.2/GR		**HMT.2/1+2/PT/GR**	HM521	1,5
HP.2/GR		**HPV/PT/GR**	HV111GR	1,5
HPC.2/GR		**HPV/PT/GR**	HV111GR	1,5
HPP.2/GR		**HP/PT/GR**	HV101GR	1,5
HTE.2		**HMT.2/PT**	HM501	1,5
HTE.2/1+2		**HMT.2/1+2/PT**	HM511	1,5
HTE.2/2+2		**HMT.2/2+2/PT**	HM521	1,5
HTE.4		**HMT.4/PT**	HM251	1,5
HTE.6		**HMT.6/PT**	HM321	1,5
HTE.1		**HMT.1/PT**	HM401	1,5
HTE.1/1+2		**HMT.1/1+2/PT**	HM411	1,5

Terminal block		End section		
		Type	Cat. No.	Thickness mm
HTE.1/2+2		**HMT.1/2+2/PT**	HM421	1,5
MPS.2/SV		**MPS.2/PT**	MP121	1,5
MPS.2/SW	(*)	**MPS.2/PT**	MP121	1,5
MPS.2/SWP	(*)	**MPS.2/PT**	MP121	1,5
MPS.4	(*)	**MPS.4/PT**	MP901	1,5
MPFA.4	(*)	**MPS.4/PT**	MP901	1,5
MPS.4/SV		**MPS.4/PT**	MP901	1,5
NCS	(*)	**NCS/PT**	NC101	1,5
NCV	(*)	**NCS/PT**	NC101	1,5
PDF.2	(*)	**PDF/PT**	PF101	1,5
RFI.2/GR		**RFN/PT/GR**	RF101GR	1,5
RN.1/GR		**RFN/PT/GR**	RF101GR	1,5
RN.2/GR		**RFN/PT/GR**	RF101GR	1,5
RP.4/GR		**RP.4/PT/GR**	RP301GR	1,5
SCB.4	(*)	**SCB/4/PT**	SB301	1,5
SCB.6	(*)	**SCB/6/PT**	SB201	1,5
SCB.6/DD	(*)	**SCB/6/PT**	SB201	1,5
SCB.6/CD	(*)	**SCB/6/PT**	SB201	1,5
SFO.4		**SFO/PT**	SF401	1,5
SFO.4/C....		**SFO/PT**	SF401	1,5
SFR.4	(*)	**SFR/PT**	SF701	1,5
SFR.4/C....		**SFR/PT**	SF701	1,5
SFR.4/D1A		**SFR/PT**	SF701	1,5
SFR.4/D3A		**SFR/PT**	SF701	1,5
SFR.4/VS	(*)	**SFR/PT**	SF701	1,5
SFR.6	(*)	**SFR.6/PT**	SR301	1,5
TC/PO		**CB2/PT**	CB111	1,5
TEO.2		**TEO.2/PT**	TO901	1,5
TEO.4		**TEO.4/PT**	TO431	1,5
TED.4		**TEO.4/PT**	TO431	1,5
TDE.2	(*)	**TLS/PT**	TL101	1,5
TLD.2	(*)	**TLD/PT**	TL201	1,5
TLE.2	(*)	**TLS/PT**	TL101	1,5
TLS.2	(*)	**TLS/PT**	TL101	1,5
VPC.2	(*)	**VPC/PT**	VP101	1,5
VPC.2/GV		**VPC/PT**	VP101	1,5
VPD.2	(*)	**VPD/PT**	VP501	1,5
TR.2		**TR.2/PT**	TR111	1,5
(Ex)i Polyamide				
CBC.2(Ex)i		**CBC.2-10/PT(Ex)i**	CBI061	1,5
CBC.4(Ex)i		**CBC.2-10/PT(Ex)i**	CBI061	1,5
CBC.6(Ex)i		**CBC.2-10/PT(Ex)i**	CBI061	1,5
CBC.10(Ex)i		**CBC.2-10/PT(Ex)i**	CBI061	1,5
CBC.16(Ex)i		**CBC.16/PT(Ex)i**	CBI161	1,5
CBC.35(Ex)i		**CBC.35/PT(Ex)i**	CBI351	1,5
CBD.2 (Ex)i		**CB2/PT(Ex)i**	CBX13	1,5
CBD.4(Ex)i		**CB4/6/PT (Ex)i**	CBX25	1,5
CBD.6(Ex)i		**CB4/6/PT (Ex)i**	CBX25	1,5
CBD.10(Ex)i		**CB10/PT (Ex)i**	CBX44	1,5
CBD.16(Ex)i		**CB16/PT (Ex)i**	CBX53	1,5
CBD.35(Ex)i		**CB35/PT (Ex)i**	CBX63	1,5
CBD.50(Ex)i		**CB50/PT (Ex)i**	CBX73	1,5
CBD.70(Ex)i		**CB70/PT (Ex)i**	CBX83	1,5
CVF.4(Ex)i		**CVF/PT (Ex)i**	CV201	1,5
DBC.2(Ex)i		**DBC/PT(Ex)i**	DB201	1,5
DAS.4(Ex)i		**DAS/PT (Ex)i**	DS201	1,5
DAS.4/CI(Ex)i		**DAS/PT (Ex)i**	DS201	1,5
HMD.1(Ex)i		**HMD.1/PT(Ex)i**	HD301	1,5
HMD.2N(Ex)i		**HMD.1/PT(Ex)i**	HD301	1,5
HMM.1(Ex)i		**HMT.1/PT (Ex)i**	HI401	1,5
HMM.1/1+2(Ex)i		**HMT.1/1+2/PT(Ex)i**	HI411	1,5
HMM.1/2+2(Ex)i		**HMT.1/2+2/PT(Ex)i**	HI421	1,5
HMM.2(Ex)i		**HMT.2/PT (Ex)i**	HI501	1,5

Terminal block	End section		
	Type	Cat. No.	Thickness mm
HMM.2/1+2(Ex)i	**HMT.2/1+2/PT(Ex)i**	HI511	1,5
HMM.2/2+2(Ex)i	**HMT.2/2+2/PT(Ex)i**	HI521	1,5
HMM.4 (Ex)i	**HMT.4/PT (Ex)i**	HI251	1,5
HMM.6 (Ex)i	**HM.6/PT (Ex)i**	HI321	1,5
HP.2(Ex)i	**HP/PT (Ex)i**	HP201	1,5
HP.2/P(Ex)i	**HP/PT (Ex)i**	HP201	1,5
HPC.2(Ex)i	**HP/PT (Ex)i**	HP201	1,5
HPC.2(Ex)i	**HP/PT (Ex)i**	HP201	1,5
HPC.2/P(Ex)i	**HP/PT (Ex)i**	HP201	1,5
HPP.2(Ex)i	**HP/PT (Ex)i**	HP201	1,5
HPP.2/P(Ex)i	**HP/PT (Ex)i**	HP201	1,5
MPS.2/SW(Ex)i	**MPS.2/PT(EX)i**	MP131	1,5
MPS.4(Ex)i	**MPS.4/PT(EX)i**	MP902	1,5
RN.1 (Ex)i	**RFN/PT(Ex)i**	RF201	1,5
RN2 (Ex)i	**RFN/PT(Ex)i**	RF201	1,5
RP.4(Ex)i/PT	**RP.4/PT(Ex)i**	RP401	1,5
SFO.4(Ex)i	**SFO/PT (Ex)i**	SF601	1,5
SFR.4(Ex)i	**SFR/PT (Ex)i**	SF801	1,5
SFR.6(Ex)i	**SFR.6/PT(Ex)i**	SR401	1,5
TC/PO(Ex)i	**CB2/PT (Ex)i**	CBX13	1,5
TLD.2(Ex)i	**TLD/PT (Ex)i**	TL301	1,5
VPC.2(Ex)i	**VPC/PT (Ex)i**	VP201	1,5
VPD.2(Ex)i	**VPD/PT(Ex)i**	VP561	1,5
Melamine			
CDA.70/BB/BC/CC	**CDA/70/PT**	CD101	4
CDA.120/BB/BC/CC	**CDA/120/PT**	CD401	4
CDA.185/BB/BC/CC	**CDA/185/PT**	CD701	5
EDM.2	**EDM/2/PT**	ED111	3
EDM.4	**EDM/4-10/PT**	ED401	3
EDM.6	**EDM/4-10/PT**	ED401	3
EDM.10	**EDM/4-10/PT**	ED401	3
EDM.16	**EDM/16/PT**	ED501	3
EDM.25	**EDM/25/PT**	ED601	3
EDM.35	**EDM/35/PT**	ED701	3
EDM.70	**EDM/70/PT**	ED801	3,5
FLD.10/..	**FLD/PT**	FL101	3
SCX.10	**SCX/PT**	SC101	3
SFC.10	**SCF/PT**	FC101	5
SFL.10	**SFC/PT**	FC101	5
SV.2	**SV/2/PT**	SV101	3
SV.4	**SV/4/PT**	SV201	3
SV.6	**SV/6/PT**	SV301	3,5
SV.10	**SV/10/PT**	SV401	3,5
TC/DIN	**EDM2/PT**	ED111	3
VLM.10	**VLM/PT**	VL201	3
(Ex)i Melamine			
EDM.2(Ex)i	**EDM/2/PT (Ex)i**	EI111	3
EDM.4(Ex)i	**EDM/4-10/PT(Ex)i**	EI401	3
EDM.6(Ex)i	**EDM/4-10/PT(Ex)i**	EI401	3
EDM.10(Ex)i	**EDM/4-10/PT(Ex)i**	EI401	3
EDM.16(Ex)i	**EDM/16/PT (Ex)i**	EI501	3
EDM.25(Ex)i	**EDM/25/PT (Ex)i**	EI601	3
EDM.35(Ex)i	**EDM/35/PT (Ex)i**	EI701	3
EDM.70(Ex)i	**EDM/70/PT (Ex)i**	EI801	3,5
SV.2(Ex)i	**SV/2/PT (Ex)i**	SI101	3
SV.4(Ex)i	**SV/4/PT (Ex)i**	SI201	3
SV.6(Ex)i	**SV/6/PT (Ex)i**	SI301	3,5
SV.10(Ex)i	**SV/10/PT (Ex)i**	SI401	3,5
TC/DIN(Ex)i	**EDM2/PT (Ex)i**	EI101	3

End brackets

BTU

Cat. No. **BT005**

Universal end bracket, suitable for rails according to either IEC 60715 type “G32” or IEC 60715/TH35 (types PR/DIN and PR/3); can be mounted directly in the desired position and does not require screw fixing.

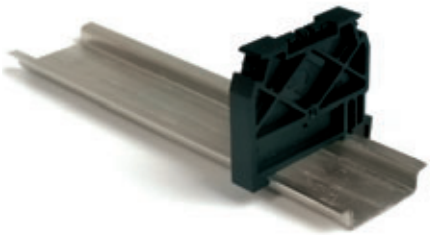
- of black polyamide
- thickness: 8 mm

BTO

Cat. No. **BT007**

End bracket, suitable for rails according to IEC 60715/TH 35 (types PR/3); can be mounted directly in the desired position and does not require screw fixing. Especially suitable for fixing screw, high type.

- of black polyamide
- thickness: 8 mm



BT/3

Cat. No. **BT003**

To be mounted on rails according to IEC 60715/TH35 Std. (type PR/3)

- of black polyamide
- thickness: 8 mm

BT/2

Cat. No. **BT006**

To be mounted on rails according to IEC 60715/TH35 Std. (type PR/2)

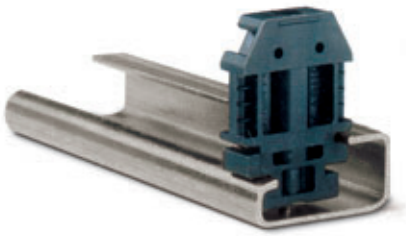
- of black polyamide
- thickness: 8 mm

BT/DIN/PO

Cat. No. **BT001**

To be mounted on rails according to IEC 60715 Std. type “G32” (type PR/DIN)

- of black polyamide
- thickness: 8 mm



CDA/BT

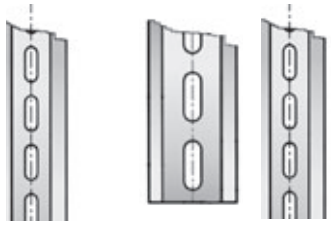
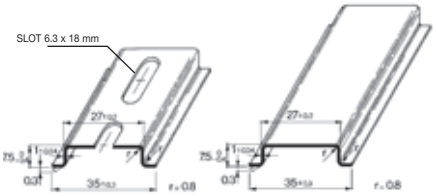
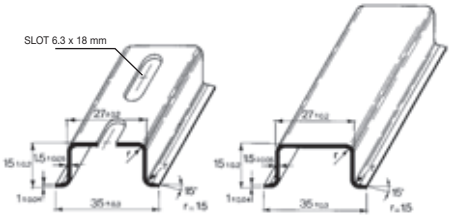
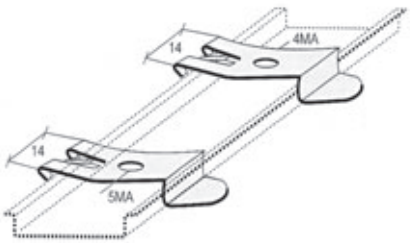
Cat. No. **CD003**

To be mounted on rails according to IEC 60715 Std. type “G32” (type PR/DIN)

- in brass (particularly suitable for rail assemblies formed by terminal blocks of larger dimensions, such as GPM, GPA, CDA and ACB)
- thickness: 11 mm

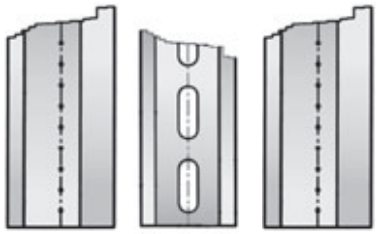
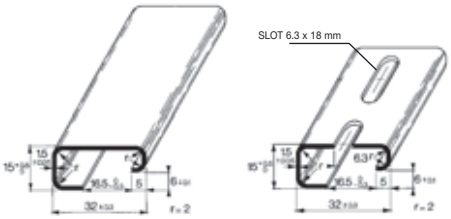
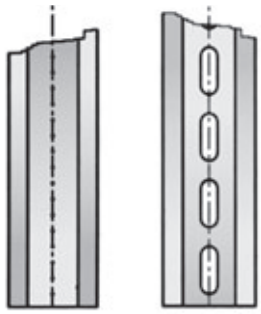
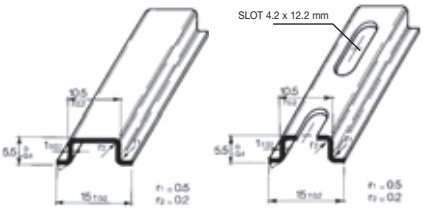
Mounting rails

- according to IEC 60715/TH35 - 7,5
- according to IEC 60715/TH35 - 15
- supports for TH/35 type rail

DESCRIPTION	TYPE/CAT. NO.	IMAGES
IEC 60715/TH35 - 7.5 rail of passivated steel	**PR/3/AC** Cat. No. PR003	
IEC 60715/TH35 - 7.5 rail of white zinc-plated steel “SENDZMIR” system	**PR/3/AC/ZB** Cat. No. PR903	
IEC 60715/TH35 - 7.5 rail of passivated steel with slots	**PR/3/AS** Cat. No. PR005	
IEC 60715/TH35 - 7.5 rail of white zinc-plated steel “SENDZMIR” system with slots	**PR/3/AS/ZB** Cat. No. PR905	
IEC 60715/TH35 - 15 rail of passivated steel	**PR/3/PP** Cat. No. PR007	
IEC 60715/TH35 - 15 rail of white zinc-plated steel “SENDZMIR” system	**PR/3/PP/ZB** Cat. No. PR907	
IEC 60715/TH35 - 15 rail of passivated steel with slots	**PR/3/PA** Cat. No. PR006	
IEC 60715/TH35 - 15 rail of white zinc-plated steel “SENDZMIR” system with slots	**PR/3/PA/ZB** Cat. No. PR906	
Support for IEC 60715/TH35 rail of nickel plated steel and with rapid mounting system 4 MA	**ACI121017** Cat. No. Z121017	
Support for IEC 60715/TH35 rail of nickel plated steel and with rapid mounting system 5 MA	**ACI121019** Cat. No. Z121019	

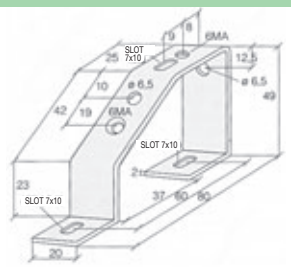
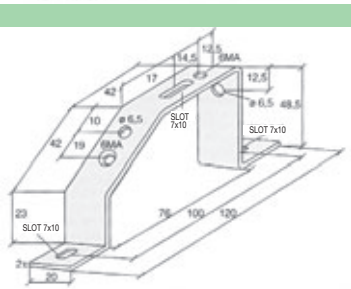
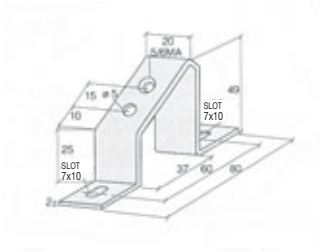
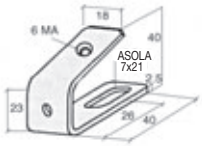
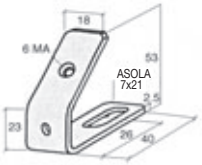
Mounting rails

- according to IEC 60715 “G32” type rail
- according to IEC 60715/TH15 - 5,5

DESCRIPTION	TYPE/CAT. NO.	IMAGES
IEC 60715 “G32” type rail of passivated steel	**PR/DIN/AC** Cat. No. PR001	
IEC 60715 “G32” type rail of white zinc-plated steel “SENDZMIR” system	**PR/DIN/AC/ZB** Cat. No. PR901	
IEC 60715 “G32” type rail of passivated steel with slots	**PR/DIN/AS** Cat. No. PR004	
IEC 60715 “G32” type rail of white zinc-plated steel “SENDZMIR” system with slots	**PR/DIN/AS/ZB** Cat. No. PR904	
IEC 60715 “G32” type rail of aluminium	**PR/DIN/AL** Cat. No. PR002	
IEC 60715/TH15 – 5.5 rail of passivated steel	**PR/2/AC** Cat. No. PR009	
IEC 60715/TH15 – 5.5 rail of white zinc-plated steel “SENDZMIR” system	**PR/2/AC/ZB** Cat. No. PR909	
IEC 60715/TH15 – 5.5 rail of passivated steel with slots	**PR/2/AS** Cat. No. PR010	
IEC 60715/TH15 – 5.5 rail of white zinc-plated steel “SENDZMIR” system with slots	**PR/2/AS/ZB** Cat. No. PR910	

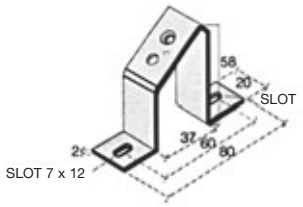
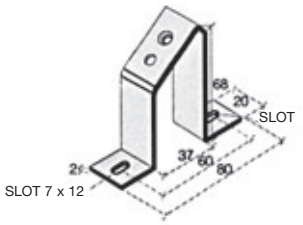
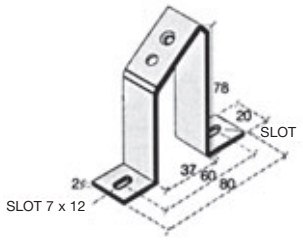
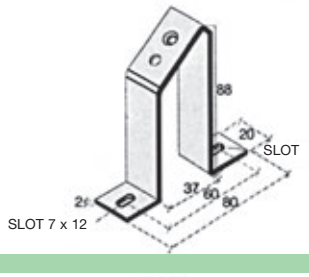
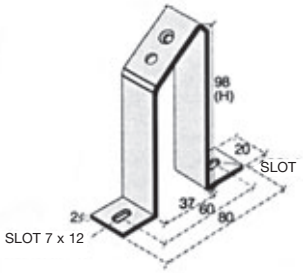
Accessories for mounting rails

- inclined bracket

DESCRIPTION	TYPE/CAT. NO.	IMAGES
Zinc-plated inclined bracket **6 x 6 mm** copper busbar holder, with possibility to mount an earth collecting busbar alongside the whole length of the terminal board	**ACI121116** Cat. No. Z121116	
Zinc-plated inclined bracket **6 x 6 mm** copper busbar holder, with possibility to mount an earth collecting busbar alongside the whole length of the terminal board	**ACI121301** Cat. No. Z121301	
Zinc-plated inclined bracket **“2” M5** standard busbar holder, with 2 screw fixing	**ACI121311** Cat. No. Z121311	
Zinc-plated inclined bracket **“2” M6** standard busbar holder, with 2 screw fixing	**ACI121314** Cat. No. Z121314	
22°30’ inclined bracket **“6” M6** standard busbar holder, with 1 screw fixing	**ACI121415** Cat. No. Z121415	
45° inclined bracket **“1” M6** standard busbar holder, with 1 screw fixing	**ACI121228** Cat. No. Z121228	

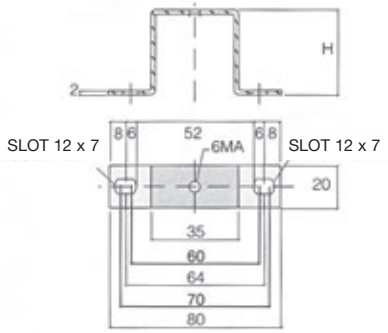
Accessories for mounting rails

- inclined zinc plated rail brackets, suitable for mounting rail fixing - M6 threaded hole

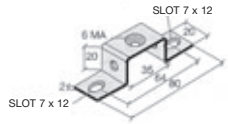
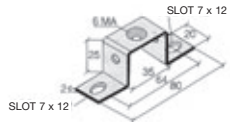
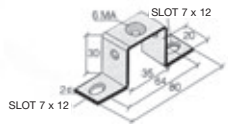
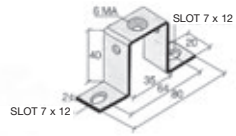
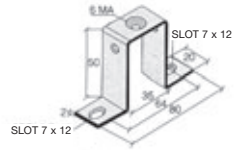
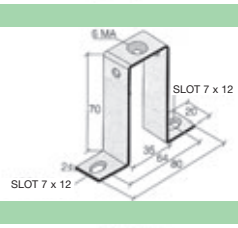
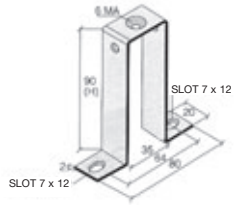
DESCRIPTION	TYPE/CAT. NO.	IMAGES
Inclined rail holder, standard **H = 58 mm**	**ACI121316** Cat. No. Z121316	
Inclined rail holder, standard **H = 68 mm**	**ACI121317** Cat. No. Z121317	
Inclined rail holder, standard **H = 78 mm**	**ACI121318** Cat. No. Z121318	
Inclined rail holder, standard **H = 88 mm**	**ACI121319** Cat. No. Z121319	
Inclined rail holder, standard **H = 98 mm**	**ACI121410** Cat. No. Z121410	

Accessories for mounting rails

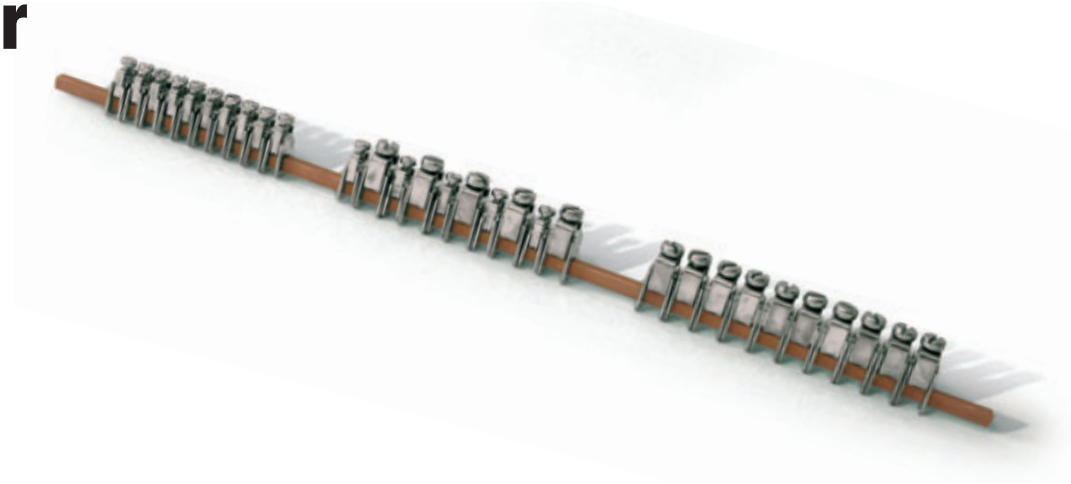
- flat zinc plated brackets, suitable for mounting rail fixing - M6 threaded hole

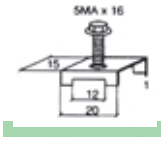
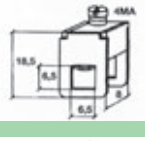
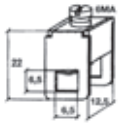
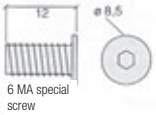
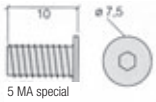
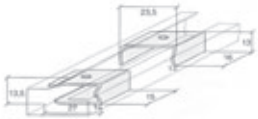
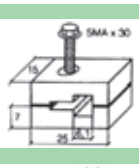
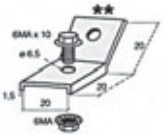


Fixing distance between centers, with 6MA screw, from 60 to 70 mm

DESCRIPTION	TYPE/CAT. NO.	IMAGES
Flat rail support, standard H = 20 mm	**ACI121213** Cat. No. Z121213	
Flat rail support, standard H = 25 mm	**ACI121214** Cat. No. Z121214	
Flat rail support, standard H = 30 mm	**ACI121215** Cat. No. Z121215	
Flat rail support, standard H = 40 mm	**ACI121216** Cat. No. Z121216	
Flat rail support, standard H = 50 mm	**ACI121217** Cat. No. Z121217	
Flat rail support, standard H = 70 mm	**ACI121218** Cat. No. Z121218	
Flat rail support, standard H = 90 mm	**ACI121219** Cat. No. Z121219	

Accessories for mounting rails



DESCRIPTION	TYPE / CAT. NO.	IMAGES
6 x 6 mm copper busbar L = 2 m suited for the the mounting of terminals for the grounding of electrical cables	**ACI121123** Cat. No. Z121123	
6 x 6 mm copper busbar blocking terminal with 6 MA x 12 mm screw	**ACI121118** Cat. No. Z121118	 5MA x 16
Terminal with saddle for 6 x 6 mm copper busbar cable cross-section from 0.5 to 16 mm²	**ACI121119** Cat. No. Z121119	
Terminal with saddle for 6 x 6 mm copper busbar cable cross-section from 4 to 35 mm²	**ACI121121** Cat. No. Z121121	 with saddle
Special hexagon slot 6 MA x 12 mm screw	**ACI121026** Cat. No. Z121026	 exagonal slot 6 MA special screw
Special hexagon slot 5 MA x 10 mm screw	**ACI121421** Cat. No. Z121421	 exagonal slot 5 MA special screw
4 MA nut for rapid mounting onto 32 x 9 x 15 mm steel rails	**ACI121211** Cat. No. Z121211	
5 MA nut for rapid mounting onto 32 x 9 x 15 mm steel rails	**ACI121212** Cat. No. Z121212	
6 x 6 mm copper busbar blocking terminal with 6 MA x 25 mm screw	**ACI121221** Cat. No. Z121221	
Inclined copper busbar support with 6 MA x 10 mm screw and 6 MA nut	**ACI121307** Cat. No. Z121307	

Pre-assembled cross sections

They are supplied in 2, 3, 5 or 10-pole pre-assembled configuration.

They allow the cross connection between two or more adjacent terminal blocks; their position once mounted is such as to **prevent injuries**.

All the components are made of nickel-plated brass.

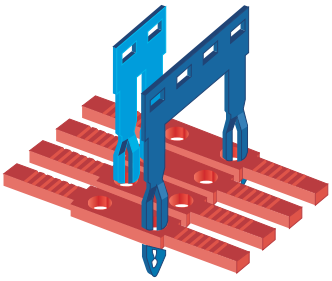
Screw-clamp terminal blocks

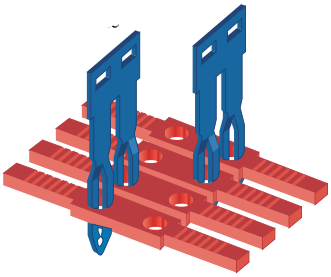
Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
CBD.2	**PM/20/2**	PM202	**PM/20/3**	PM203	**PM/20/5**	PM205	**PM/20/10**	PM210
CBD.4	**PM/40/2**	PM402	**PM/40/3**	PM403	**PM/40/5**	PM405	**PM/40/10**	PM400
CBD.6	**PM/60/2**	PM602	**PM/60/3**	PM603	**PM/60/5**	PM605	**PM/60/10**	PM610
CBD.10	**PM/10/2**	PM102	**PM/10/3**	PM103	**PM/10/5**	PM105	**PM/10/10**	PM100
CBR.2	**PM/25/2**	PM252	**PM/25/3**	PM253	**PM/25/5**	PM255	**PM/25/10**	PM250
CVF.4	**PM/40/2**	PM402	**PM/58/3**	PM583	**PM/58/5**	PM585	**PM/58/10**	PM580
DAS.4	**PM/41/2**	PM412	**PM/51/3**	PM513	**PM/51/5**	PM515	**PM/51/10**	PM510
EDM.2	**PM/20/2**	PM202	**PM/20/3**	PM203	**PM/20/5**	PM205	**PM/20/10**	PM210
EDM.4	**PM/40/2**	PM402	**PM/40/3**	PM403	**PM/40/5**	PM405	**PM/40/10**	PM400
EDM.6	**PM/60/2**	PM602	**PM/60/3**	PM603	**PM/60/5**	PM605	**PM/60/10**	PM610
EDM.10	**PM/10/2**	PM102	**PM/10/3**	PM103	**PM/10/5**	PM105	**PM/60/10**	PM610
FDP.2	**PH/2,5-4**	PH100						
FFS.4	**PM/41/2**	PM412	**PM/41/3**	PM413	**PM/41/5**	PM415	**PM/41/10**	PM410
FVS.4	**PM/41/2**	PM412	**PM/41/3**	PM413	**PM/41/5**	PM415	**PM/41/10**	PM410
MPS2/SV	**PM/91/2**	PM912	**PM/91/3**	PM913	**PM/91/5**	PM915	**PM/91/10**	PM910
MPS.2/SW	**PM/91/2**	PM912	**PM/91/3**	PM913	**PM/91/5**	PM915	**PM/91/10**	PM910
MPS.2/SWP	**PM/91/2**	PM912	**PM/91/3**	PM913	**PM/91/5**	PM915	**PM/91/10**	PM910
RN.1	**PM/11/2**	PM112	**PM/11/3**	PM113	**PM/11/5**	PM115	**PM/11/10**	PM110
RP.4	**PM/41/2**	PM412	**PM/51/3**	PM513	**PM/51/5**	PM515	**PM/51/10**	PM510
SCB.4	**PM/41/2**	PM412	**PM/41/3**	PM413	**PM/41/5**	PM415	**PM/41/10**	PM410
SFO.4	**PM/90/2**	PM902	**PM/90/3**	PM903	**PM/90/5**	PM905	**PM/90/10**	PM900
TDE.2	**PM/20/2**	PM202	**PM/30/3**	PM303	**PM/30/5**	PM305	**PM/30/10**	PM310
TLD.2	**PM/20/2**	PM202	**PM/30/3**	PM303	**PM/30/5**	PM305	**PM/30/10**	PM310
TLE.2	**PM/20/2**	PM202	**PM/30/3**	PM303	**PM/30/5**	PM305	**PM/30/10**	PM310
TLS.2	**PM/20/2**	PM202	**PM/30/3**	PM303	**PM/30/5**	PM305	**PM/30/10**	PM310
RN.2	**PM/12/2**	PM122	**PM/12/3**	PM123	**PM/12/5**	PM125	**PM/12/10**	PM120
Insulated jumper								
MAC.6	**PIL/2**	PIL02	**PIL/3**	PIL03	**PIL/4**	PIL04	**PIL/8**	PIL08
	(2 poles)		(3 poles)		(4 poles)		(8 poles)	

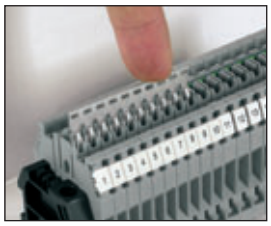
Cross connections

Easy Bridge System

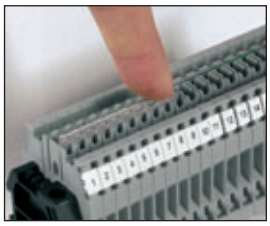
- screwless, snap-in insertion
- transversal and staggered mode connection possibility
- once inserted, **intrinsically IPXXB protected** resulting installation, without the need for further insulating covers
- patented system







1



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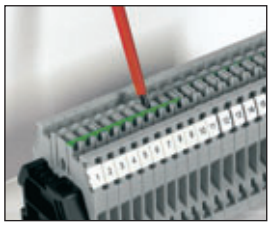

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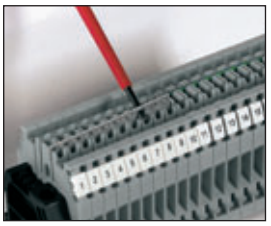


5

1-2 After having cut the bar according to the number of poles, insert the cross-connection, in the appropriate groove of the terminal block. At this point, by using the blade of a screwdriver, push down the cross-connection until it reaches its blocking point. The cross connection will be fully insulated and intrinsically IPXXB protected.

3-4 After having mounted the cross-connection, the connected poles can be outlined and detected by the PTC/SP green strip. This strip is supplied in the 100 mm standard length and it can be easy cut to the appropriate length with the aid of a cutter.

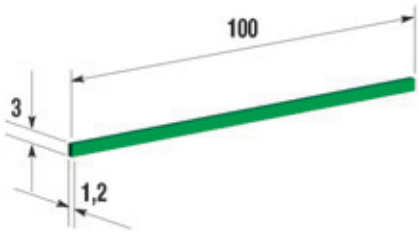
5 To remove the cross-connection, it is sufficient to remove the PTC/SP strip: insert the blade of the screwdriver in the jumper slot, then lift it up and finally extract it.

Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper		Jumper l = 250 mm		
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Poles
CBC.2 (*)	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205	**PTC/2/10**	PTC0210	**PTC/2/00**	PTC0200	**50**
CBC.4 (*)	**PTC/4/02**	PTC0402	**PTC/4/03**	PTC0403	**PTC/4/05**	PTC0405	**PTC/4/10**	PTC0410	**PTC/4/00**	PTC0400	**42**
CBC.6 (*)	**PTC/6/02**	PTC0602	**PTC/6/03**	PTC0603	**PTC/6/05**	PTC0605	**PTC/6/10**	PTC0610	**PTC/6/00**	PTC0600	**31**
CBC.10 (*)	**PTC/10/02**	PTC1002	**PTC/10/03**	PTC1003	**PTC/10/05**	PTC1005	**PTC/10/10**	PTC1010	**PTC/10/00**	PTC1000	**25**
DBC.2 (*)	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205	**PTC/2/10**	PTC0210	**PTC/2/00**	PTC0200	**50**
DSFA.4 (*)	**PTC/4/02**	PTC0402	**PTC/4/03**	PTC0403	**PTC/4/05**	PTC0405	**PTC/4/10**	PTC0410	**PTC/4/00**	PTC0400	**42**
DSS.4 (*)	**PTC/4/02**	PTC0402	**PTC/4/03**	PTC0403	**PTC/4/05**	PTC0405	**PTC/4/10**	PTC0410	**PTC/4/00**	PTC0400	**42**
HMM.1/GR (**)	**PTC/1/02**	PTC0102	**PTC/1/03**	PTC0103	**PTC/1/05**	PTC0105	**PTC/1/10**	PTC0110	**PTC/1/00**	PTC0100	**50**
HMD.1/GR	**PTC/1/02**	PTC0102	**PTC/1/03**	PTC0103	**PTC/1/05**	PTC0105	**PTC/1/10**	PTC0110	**PTC/1/00**	PTC0100	**50**
HCD.1/GR	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205	**PTC/2/10**	PTC0210	**PTC/2/00**	PTC0200	**50**
HMM.2/GR (**)	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HMS.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HMFA.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HMM.4/GR (**)	**PTC/5/02**	PTC0502	**PTC/5/03**	PTC0503	**PTC/5/05**	PTC0505	**PTC/5/10**	PTC0510	**PTC/5/00**	PTC0500	**40**
HMFA.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HSCB.4/GR	**PTC/5/02**	PTC0502	**PTC/5/03**	PTC0503	**PTC/5/05**	PTC0505	**PTC/5/10**	PTC0510	**PTC/5/00**	PTC0500	**40**
HSCB.6/GR	**PTC/8/02**	PTC0802	**PTC/8/03**	PTC0803	**PTC/8/05**	PTC0805	**PTC/8/10**	PTC0810	**PTC/8/00**	PTC0800	**30**
HMM.6/GR	**PTC/8/02**	PTC0802	**PTC/8/03**	PTC0803	**PTC/8/05**	PTC0805	**PTC/8/10**	PTC0810	**PTC/8/00**	PTC0800	**30**
HMM.10/GR	**PTC/11/02**	PTC1102	**PTC/11/03**	PTC1103	**PTC/11/05**	PTC1105	**PTC/11/10**	PTC1110	**PTC/11/00**	PTC1100	**25**
HMM.16/GR	**PTC/16/02**	PTC1602	**PTC/16/03**	PTC1603	**PTC/16/05**	PTC1605	**PTC/16/10**	PTC1610	**PTC/16/00**	PTC1600	**20**
HVPC.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
CHP.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
CHP.2D/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HPP.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HP.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HPC.2/GR	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
MPS.4 (*)	**PTC/4/02**	PTC0402	**PTC/4/03**	PTC0403	**PTC/4/05**	PTC0405	**PTC/4/10**	PTC0410	**PTC/4/00**	PTC0400	**42**
MPFA.4 (*)	**PTC/4/02**	PTC0402	**PTC/4/03**	PTC0403	**PTC/4/05**	PTC0405	**PTC/4/10**	PTC0410	**PTC/4/00**	PTC0400	**42**
SFR.6 (*)	**PTC/20/02**	PTC2002	**PTC/20/03**	PTC2003	**PTC/20/05**	PTC2005	**PTC/20/10**	PTC2010	**PTC/20/00**	PTC2000	**25**
VPC.2 (*)	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205	**PTC/2/10**	PTC0210	**PTC/2/00**	PTC0200	**50**
VPD.2 (*)	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205	**PTC/2/10**	PTC0210	**PTC/2/00**	PTC0200	**50**

(*) Item available in grey colour too.
(**) Including versions /1+2, /2+2, and the corresponding earth terminal blocks

Cross connections

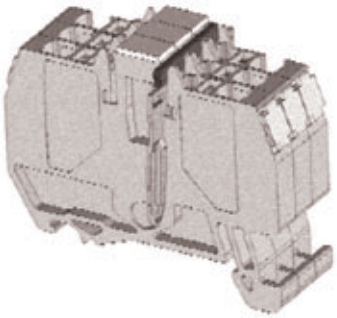
Easy Bridge System



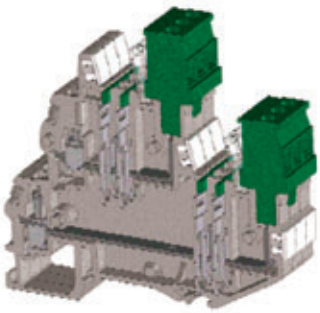
In badly lit panels it is not always immediate and easy to see where jumpers are inserted, except by paying great attention; and this can cause connection errors.
In order to solve this problem that Cabur has developed a marking strip to be used on its terminal blocks, where PTC jumpers are employed, this simplifies their localization, once inserted.

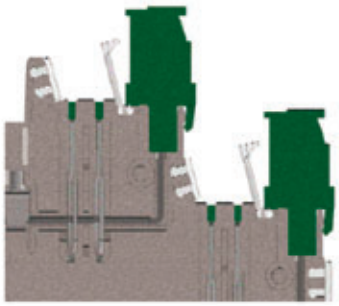
Ony one model (PTC/SP – Cat. No. PTC0990) for all the terminal blocks has been developed, independently of the pitch or model of the PTC jumper being employed.
The marking strip must be fit in the jumper housing; its steadiness on the terminal block is guaranteed by the friction on the sides of the slots where the jumper is being inserted.

HMM.2 terminal block application examples
The marking strip dimensions are studied so that it cannot exceed the profile of any terminal block on which it can be applied, in order to avoid problems with numbers, cables or other accessories.
The marking strip can be applied in case of double jumpers.
It should be noted that it is possible to apply the marking strip where other accessories are present, without having to extract it in advance.



Examples of application on the VPD.2 terminal block
The marker is produced in strips 100 mm long, and supplied in green. The user can customise the strips length freely, depending on his needs.
The strips, made of polyamide, can be easely cut by using common pliers, as they are only 1.20 mm thick.



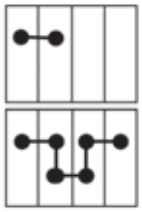
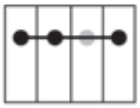
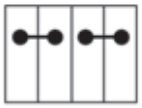
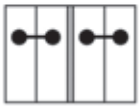
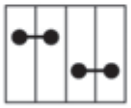
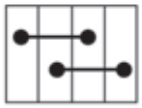


NOTE. The PTC/SP marking strip can be applied on any terminal block where PTC jumpers are used (see the list), except for HCD.1 and HMD.2N terminal blocks: here the shape of the jumper housing is such as to prevent the frictioning, which is necessary to guarantee a steady positioning and avoid the marking strip loss. Moreover, the jumpers on these two terminal blocks have a less deep insertion than all the others and therefore the presence of the jumper can be recognized without the need of a signaler.

Cross connections

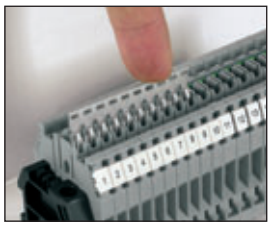
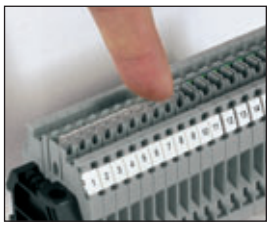
Easy Bridge System

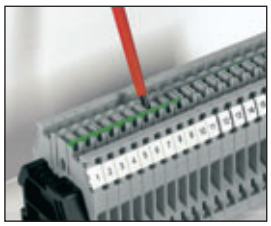
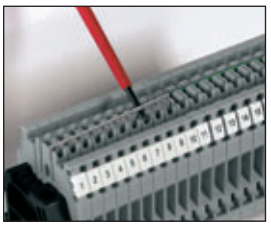
In order to guarantee proper safety conditions, once the insertion is performed and depending on the various connection schemes, which can be obtained using PTC jumpers, the following table is supplied:

PTC jumpers configurations					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER	STAGGERED MODE	PARALLEL SKIPPING
					

Terminal block	Jumper type	Insulation voltage in the above configurations (V)					
CBC.2	**PTC/2**	630	630	-	500	500	500
CBC.4	**PTC/4**	630	500	-	500	500	500
CBC.6	**PTC/6**	630	630	-	630	630	500
CBC.10	**PTC/10**	800	630	-	630	800	500
VPC.2	**PTC/2**	320	320	-	320	320	320
HMFA.2 - HMS.2	**PTC/3**	630	500	-	500 (*)	-	-
HMM.1 series	**PTC/1**	630	630	-	320	630	630
HMM.2 series	**PTC/3**	630	500	-	500 (*)	630	630
HMM.4 series	**PTC/5**	500	500	-	500 (*)	500	500
HMM.10	**PTC/11**	1000	1000	-	800	1000	1000
HMM.16	**PTC/16**	1000	1000	-	800	1000	800
DBC.2	**PTC/2** **PTC/2**	630 630	500 500	- -	250 (**) 630 (***)	500 500	500 500
HCD.1	**PTC/2**	320	320	-	320	320	320
HVPC.2/GR	**PTC/3**	500	500	-	500 (*)	500	500
CHP.2/GR - CHP.2D/GR	**PTC/11**	500 (630)	500		400 (*)	-	-
HPP.2/GR - HP.2/GR	**PTC/3**	400	400	-	800 (PT)	500	400
HPC.2/GR	**PTC/3**	400	400	-	800 (PT)	400	400
SFR.6	**PTC/20**	630	630	400	630	630	500
MPS.4-MPFA.4	**PTC/4**	400	400	-	400	-	-
DSS.4-DSFA.4	**PTC/4**	400	400	-	400	-	-
HMD.1	**PTC/1**	500	500	-	320	500	500
VPD.2	**PTC/2**	320	320	-	320	320	320
HSCB.4	**PTC/5**	500	500	-	500 (*)	500	500
HSCB.6	**PTC/8**	500	500	-	400	500	500

Notes: *(*) with interposing end section*
(**) between lower adjoining jumpers (with partition)
(***) between upper adjoining jumpers (with partition)

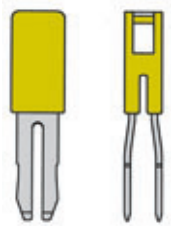



Cross connections

For HMD.2, HMF.4 ed FDP.2 terminal blocks

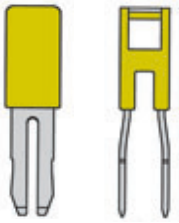
PH jumper



Terminal block	Jumper type	Cat. No.
HMD.2	**PH/2,5-4**	PH100
HMF.4	**PH/2,5-4**	PH100
FDP.2	**PH/2,5-4**	PH100

When there is the need to perform the cross connection between adjoining terminal blocks of different types (size and function), and an end section is interposed between them, a special PHM/2.5-4 increased pitch type jumper is available.

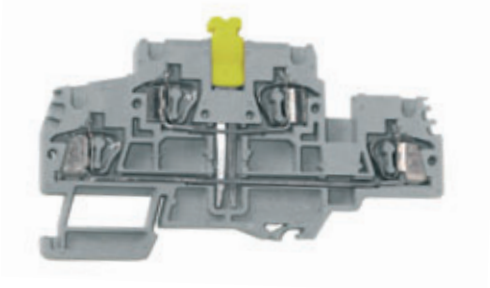
PHM jumper



Terminal block	Jumper type	Cat. No.
HMD.2	**PHM/2,5/4**	PHM01
HMF.4	**PHM/2,5/4**	PHM01
HMD.2	**PHD/2**	PHD02

NOTE:
To complete the insertion of the jumpers, the use of screwdriver is necessary.

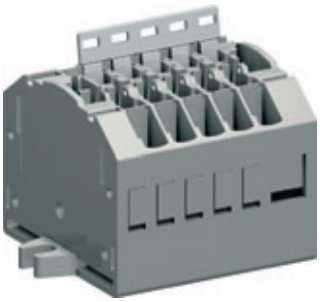
PHD/2 jumper



HMD.2/GR cat. no. HD100GR

For mini spring-clamp terminal blocks

Terminal block	2-pole jumper		3-pole jumper		5-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
HP.2/P	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205
HPC.2/P	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205
HPP.2/P	**PTC/2/02**	PTC0202	**PTC/2/03**	PTC0203	**PTC/2/05**	PTC0205



POF permanent cross connections

Allowing the cross connection of two adjacent terminal blocks. Mounted in a suitable position in order to prevent injuries

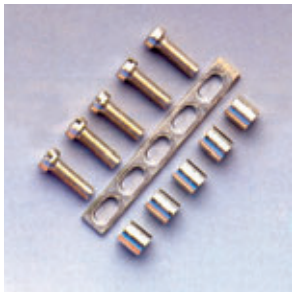
Each **POF** jumper is composed by:
- 2 screws
- 2 sleeves
- 1 plate with 2 holes

All the components are in brass, with nickel plating.

NOTA:
*For terminal blocks that normally require POF connections, where they are to be inserted in "increased safety" installations (Ex e), the use of **PFX** cross connections is required; they include an anti-loosening washer.*

Terminal block	Jumper type	Cat. No.	Screw M x l (mm)	Sleeve Ø x l (mm)	Plate l x s (mm)
CBC.16	**POF/53**	POF53	M4 x 21	8 x 15	7 x 1,5
CBC.35	**POF/06**	POF06	M4 x 21	8 x 15	8 x 2
CBD.16	**POF/44**	POF44	M4 x 16	6 x 9,5	7 x 1,5
CBD.35	**POF/06**	POF06	M4 x 21	8 x 12	8 x 2
CBD.50	**POF/07**	POF07	M5 x 20	8 x 12	10 x 3
CBD.70	**POF/08**	POF08	M5 x 25	8 x 15	10 x 3
EDM.16	**POF/05**	POF05	M4 x 12	6 x 6,5	7 x 1,5
EDM.25	**POF/06**	POF06	M4 x 21	8 x 12	8 x 2
EDM.35	**POF/07**	POF07	M5 x 20	8 x 12	10 x 3
EDM.70	**POF/08**	POF08	M5 x 25	8 x 15	10 x 3
NCS	**POF/99**	POF99	M3 x 5	-	5,5 x 0,6
NCV	**POF/99**	POF99	M3 x 5	-	5,5 x 0,6
RFI.2	**POF/17**	POF17	M2,5 x 13,5	4 x 8	4 x 1
SCB.6	**POF/57**	POF57	M3,5 x 28	6 x 19	7 x 1
SCX.10	**POF/56**	POF56	M4,5 x 12	7 x 13,5	7 x 1,5
SFO.4	**POF/20**	POF20	M3 x 20	4 x 16	5,5 x 0,6
SV.2	**POF/11**	POF11	M2,5 x 13,5	4 x 10	5,5 x 0,6
SV.4	**POF/12**	POF12	M3 x 14	4 x 10	5,5 x 0,6
SV.6	**POF/13**	POF13	M3 x 20	5,5 x 13,5	7 x 1
SV.10	**POF/14**	POF14	M3,5 x 21	5,5 x 16	7 x 1,5
VL.16	**POF/55**	POF55	M4 x 12	6 x 6,5	8 x 2
VLM.10	**POF/54**	POF54	M4 x 12	5,5 x 7,5	7 x 1,5
GPM.95 (2 poles)	**POF/95/2**	PO952	M5 x 20	-	10 x 10
GPM.95 (3 poles)	**POF/95/3**	PO953	M5 x 20	-	10 x 10
GPM.150 (2 poles)	**POF/150/2**	PO152	M5 x 20	-	10 x 10
GPM.150 (3 poles)	**POF/150/3**	PO153	M5 x 20	-	10 x 10
GPM.240 (2 poles)	**POF/240/2**	PO242	M5 x 30	-	10 x 15
GPM.240 (3 poles)	**POF/240/3**	PO243	M5 x 30	-	10 x 15
GPA.70 - GPA.70/FIX	**POF/70**	POF70	M5 x 35	8 x 23,5	10 x 3

PMP commoning bars CPM shunting screws and sleeves



The **PMP** commoning bar, suitable for the multiple cross connection of several terminal blocks, whether adjacent or not, is supplied in lengths of 250 mm, with holes adequately speced according to the pitch of all terminal blocks.
The bar is supported and held in place by a special **CPM** screw and sleeve at the correct level of each element.
In the case the terminal boards are to be installed in (Ex e) “at increased safety” circuits, CPM screws and sleeves are equipped with unloosening washers and their part number becomes **CPX**.

Terminal block	Commoning bar		l x s mm	No. of holes (x 250 mm)	Screw/sleeve		Screw/sleeve (Ex e)	
	Type	Cat. No.			Type	Cat. No.	Type	Cat. No.
CBC.16	**PMP/05**	PMP05	7 x 1,5	21	**CPM/53**	CPM53	-	-
CBC.35	**PMP/06**	PMP06	8 x 2	16	**CPM/06**	CPM06	-	-
CBD.2	**PMP/01**	PMP01	5,5 x 0,6	45	**CPM/21**	CPM21	**CPX/21**	CPX21
CBD.4	**PMP/42**	PMP42	5,5 x 0,6	38	**CPM/12**	CPM12	**CPX/12**	CPX12
CBD.6	**PMP/13**	PMP13	7 x 1	31	**CPM/83**	CPM83	**CPX/83**	CPX83
CBD.10	**PMP/04**	PMP04	7 x 1,5	25	**CPM/03**	CPM03	**CPX/03**	CPX03
CBD.16	**PMP/05**	PMP05	7 x 1,5	21	**CPM/44**	CPM44	**CPX/44**	CPX44
CBD.35	**PMP/06**	PMP06	8 x 2	16	**CPM/06**	CPM06	**CPX/06**	CPX06
CBD.50	**PMP/07**	PMP07	10 x 3	14	**CPM/07**	CPM07	**CPX/05**	CPX05
CBD.70	**PMP/08**	PMP08	10 x 3	12	**CPM/08**	CPM08	**CPX/08**	CPX08
CBR.2	**PMP/25**	PMP25	5,5 x 0,6	50	**CPM/25**	CPM25	-	-
CVF.4	**PMP/58**	PMP58	5,5 x 0,6	42	**CPM/12**	CPM12	**CPX/12**	CPX12
DAS.4	**PMP/58**	PMP58	5,5 x 0,6	42	**CPM/01**	CPM01	**CPX/01**	CPX01
EDM.2	**PMP/01**	PMP01	5,5 x 0,6	45	**CPM/21**	CPM21	**CPX/21**	CPX21
EDM.4	**PMP/42**	PMP42	5,5 x 0,6	38	**CPM/12**	CPM12	**CPX/12**	CPX12
EDM.6	**PMP/13**	PMP13	7 x 1	31	**CPM/83**	CPM83	**CPX/83**	CPX83
EDM.10	**PMP/04**	PMP04	7 x 1,5	25	**CPM/03**	CPM03	**CPX/03**	CPX03
EDM.16	**PMP/05**	PMP05	7 x 1,5	21	**CPM/05**	CPM05	**CPX/05**	CPX05
EDM.25	**PMP/06**	PMP06	8 x 2	16	**CPM/06**	CPM06	**CPX/06**	CPX06
EDM.35	**PMP/07**	PMP07	10 x 3	14	**CPM/07**	CPM07	**CPX/07**	CPX07
EDM.70	**PMP/08**	PMP08	10 x 3	12	**CPM/08**	CPM08	**CPX/08**	CPX08
FFS.4	**PMP/42**	PMP42	5,5 x 0,6	38	**CPM/01**	CPM01	**CPX/01**	CPX01
FVS.4	**PMP/42**	PMP42	5,5 x 0,6	38	**CPM/01**	CPM01	**CPX/01**	CPX01
GPA.70 - GPA.70/FIX	**PMP/08**	PMP08	10 x 3	12	**CPM/70**	CPM70	-	-
MPS.2/SV-SW-SWP	**PMP/01**	PMP01	5,5 x 0,6	45	**CPM/11**	CPM11	**CPX/11**	CPX11
NCS	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/99**	CPM99	-	-
NCV	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/99**	CPM99	-	-
RFI.2	**PMP/17**	PMP17	4 x 1	42	**CPM/17**	CPM17	-	-
RN.1	**PMP/16**	PMP16	5,5 x 0,6	59	**CPM/16**	CPM16	-	-
RN.2	**PMP/25**	PMP25	5,5 x 0,6	50	**CPM/16**	CPM16	**CPX/16**	CPX16
RP.4	**PMP/58**	PMP58	5,5 x 0,6	42	**CPM/01**	CPM01	**CPX/01**	CPX01
SCB.4	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/01**	CPM01	**CPX/01**	CPX01
SCB.6	**PMP/13**	PMP13	7 x 1	31	**CPM/57**	CPM57	-	-
SCX.10	**PMP/56**	PMP56	7 x 1,5	24	**CPM/56**	CPM56	-	-
SFO.4	**PMP/20**	PMP20	5,5 x 0,6	31	**CPM/20**	CPM20	-	-
SV.2	**PMP/01**	PMP01	5,5 x 0,6	45	**CPM/11**	CPM11	**CPX/11**	CPX11
SV.4	**PMP/12**	PMP12	5,5 x 0,6	36	**CPM/12**	CPM12	**CPX/12**	CPX12
SV.6	**PMP/13**	PMP13	7 x 1,5	31	**CPM/13**	CPM13	**CPX/13**	CPX13
SV.10	**PMP/14**	PMP14	7 x 1,5	24	**CPM/14**	CPM14	**CPX/14**	CPX14
TDE.2	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/21**	CPM21	-	-
TLD.2	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/21**	CPM21	-	-
TLE.2	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/21**	CPM21	-	-
TLS.2	**PMP/02**	PMP02	5,5 x 0,6	40	**CPM/21**	CPM21	-	-
VL.16	**PMP/55**	PMP55	8 x 2	9	**CPM/05**	CPM05	**CPX/05**	CPX05
VLM.10	**PMP/54**	PMP54	7 x 1,5	38	**CPM/03**	CPM03	**CPX/03**	CPX03

POS switchable cross connections

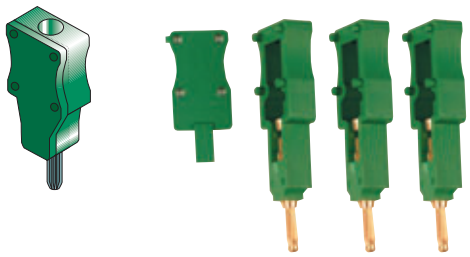
If the linking of adjacent terminal blocks is occasional, a **POS** switchable cross connection may be used; it consists of:

- 2 screws
- 2 sleeves
- 1 linking plate with open slot, allowing easy opening and closing of the cross connection.

Terminal block	Cross connection		Screw M x l (mm)	Sleeve Ø x l (mm)
	Type	Cat. No.		
CBC.16	**POS/53**	POS53	4 x 35	5,1 x 30
CBD.2	**POS/11**	POS11	2,5 x 22	4 x 18
CBD.4	**POS/42**	POS42	3 x 28	4 x 23
CBD.6	**POS/93**	POS93	3,5 x 27	5,5 x 21,5
CBD.10	**POS/44**	POS44	4 x 25	5,5 x 21,5
CBD.16	**POS/44**	POS44	4 x 25	5,5 x 18,5
CBD.35	**POS/66**	POS66	4 x 30	8 x 22
CBD.50	**POS/07**	POS07	5 x 30	8 x 23,5
CBD.70	**POS/08**	POS08	5 x 40	8 x 30
DAS.4	**POS/43**	POS43	3 x 20	4 x 16
EDM.2	**POS/11**	POS11	2,5 x 22	4 x 18
EDM.4	**POS/42**	POS42	3 x 28	4 x 23
EDM.6	**POS/93**	POS93	3,5 x 27	5,5 x 21,5
EDM.10	**POS/44**	POS44	4 x 25	5,5 x 21,5
EDM.16	**POS/44**	POS44	4 x 25	5,5 x 21,5
EDM.25	**POS/66**	POS66	4 x 30	8 x 22
EDM.35	**POS/07**	POS07	5 x 30	8 x 22
EDM.70	**POS/08**	POS08	5 x 40	8 x 30
FFS.4	**POS/72**	POS72	3 x 20	4 x 14,5
FVS.4	**POS/72**	POS72	3 x 20	4 x 14,5
MPS.2/SV-SW-SWP	**POS/91**	POS91	2,5 x 25	4 x 20
SV.2	**POS/11**	POS11	2,5 x 22	4 x 18
SV.4	**POS/12**	POS12	3 x 22	4 x 18
SV.6	**POS/13**	POS13	3 x 30	5,5 x 25
SV.10	**POS/14**	POS14	3,5 x 30	5,5 x 25
TLD.2	**POS/41**	POS41	2,5 x 16	4 x 12,7
TLS.2	**POS/41**	POS41	2,5 x 16	4 x 12,7
RP.4	**POS/43**	POS43	3 x 20	4 x 16

Modular test plugs

Modular test plugs allow to perform final control or multiple shunting on rail assemblies.
The modular test plug can be placed directly in the housing provided in the terminal block.
The extreme ease of use, allow to assemble such test plugs in whatsoever number of poles, according to the needs.



Modular test plugs for screw clamp terminal blocks

• with solder lug

SDD/5 Cat. No. **DD005**

pitch 5.5 mm.
for terminal blocks type CBD.2

SD5/PT Cat. No. **DD501**

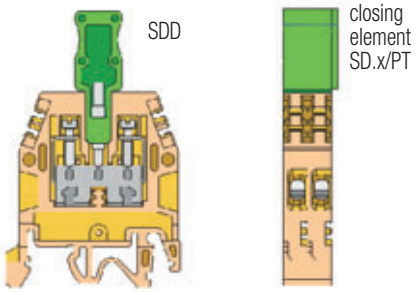
closing element for SDD/5

SDD/6 Cat. No. **DD006**

pitch 6.5 mm.
for terminal blocks type CBD.4

SD6/PT Cat. No. **DD601**

closing element for SDD/6



• con serraggio a vite

SDC/5 Cat. No. **DC005**

pitch 5 mm.
for terminal blocks type CBC.2

SDC/6 Cat. No. **DC006**

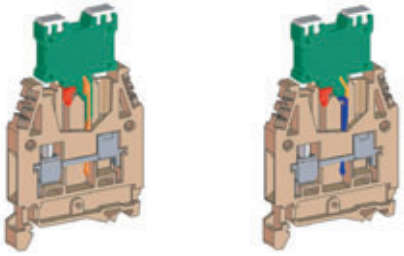
pitch 6 mm.
for terminal blocks type CBC.4

SDC/5P Cat. No. **DC05P**

version to be used with PTC jumper

SDC/6P Cat. No. **DC06P**

version to be used with PTC jumper



SDC/6 once mounted SDC/6-P once mounted

SDC/5V Cat. No. **DC05V**

intermediate distancing element

SDC/6V Cat. No. **DC06V**

intermediate distancing element

SDC/POL Cat. No. **DCPOL**

polarising element

SDC/6 with cable composition

Modular test plugs for spring clamp terminal blocks

• with solder lug

SDH/4 Cat. No. **DH004**

pitch 4.2 mm.
for terminal blocks type HMM.1, HMM.1/1+2, HMM.1/2+2, HMD.1

SDH/4P Cat. No. **DH04P**

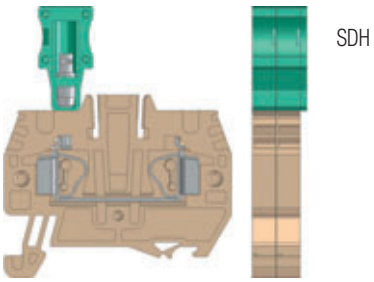
version to be used with PTC jumper

SH4/PT Cat. No. **DH401**

closing element for SDH/4

SDH/5 Cat. No. **DH005**

pitch 5.2 mm.
for terminal blocks type HMM.2 - HMM.2/1+2 - HMM.2/2+2 - HMD.2 - HMS.2 - Serie HP.2 - HP.2/P



SH5/PT Cat. No. **DH501**

closing element for SDH/5

SDH/6 Cat. No. **DH006**

pitch 6.2 mm
for terminal blocks type HMM.4

SH6/PT Cat. No. **DH601**

closing element for SDH/6

SDH/7 Cat. No. **DH007**

pitch 5.2 mm
for terminal blocks type HMD.2N/GR, HMD.2N/X/GR, HMD.2N/X1/GR

SDH/7P codice **DH07P**

version to be used with PTC jumper

SH7/PT codice **DH701**

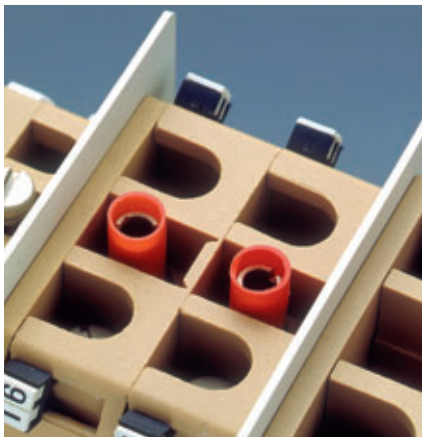
closing element for SDH/7

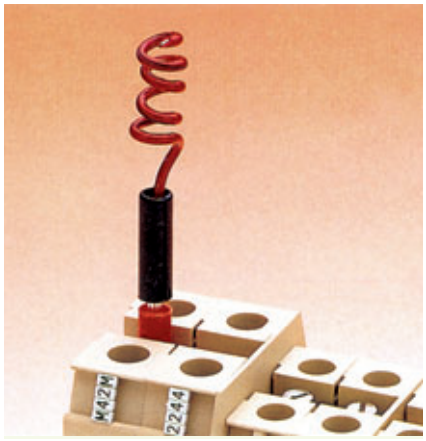
SDH/5 and SDH/6 can be mutually combined.

PSD sockets - SDD plugs

For measuring and testing circuits which are linked up to terminal boards, special accessories are provided; such as:

- (**PSD**) insulated sockets which can be screwed onto the conducting body of the terminal blocks
- (**SDD**) bundle-type plugs in silvered brass.





Terminal block	Socket		Internal socket Ø (mm)	Plug		Plug Ø (mm)
	Type	Cat. No.		Type	Cat. No.	
CBC.16	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
CBC.35	**PSD/P**	PD015	4,05	**SDD/2**	DD002	4
CBD.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3
CBD.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
CBD.6	**PSD/N**	PD013	2,35	**SDD/1**	DD001	2,3
CBD.10	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
CBD.16	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
CBD.35	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
CBD.50	**PSD/C**	PD003	4,05	**SDD/2**	DD002	4
CBD.70	**PSD/C**	PD003	4,05	**SDD/2**	DD002	4
CBR.2	**PSD/K**	PD011	2,35	**SDD/1**	DD001	2,3
CVF.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
DAS.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
EDM.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3
EDM.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
EDM.6	**PSD/N**	PD013	2,35	**SDD/1**	DD001	2,3
EDM.10	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
EDM.16	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
EDM.25	**PSD/B**	PD002	4,05	**SDD/2**	DD002	4
EDM.35	**PSD/C**	PD003	4,05	**SDD/2**	DD002	4
EDM.70	**PSD/C**	PD003	4,05	**SDD/2**	DD002	4
FDP.2	**-**	-	-	**SDD/1**	DD001	2,3
FFS.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
FPC.10	**-**	-	-	**SDD/2**	DD002	4
FVS.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
HMD.2	**-**	-	-	**SDD/1**	DD001	2,3
HMF.4	**-**	-	-	**SDD/1**	DD001	2,3
HMM.2	**-**	-	-	**SDD/1**	DD001	2,3
HMM.2/1+2	**-**	-	-	**SDD/1**	DD001	2,3
HMM.2/2+2	**-**	-	-	**SDD/1**	DD001	2,3
HMM.2/1+2/S	**-**	-	-	**SDD/1**	DD001	2,3
HMM.2/2+2/S	**-**	-	-	**SDD/1**	DD001	2,3
HMM.4	**-**	-	-	**SDD/1**	DD001	2,3
HMM.4/1+2	**-**	-	-	**SDD/1**	DD001	2,3
HMM.4/2+2	**-**	-	-	**SDD/1**	DD001	2,3
HMM.6	**-**	-	-	**SDD/1**	DD001	2,3
HMM.10	**-**	-	-	**SDD/1**	DD001	2,3
HMM.16	**-**	-	-	**SDD/1**	DD001	2,3
HMS.2	**-**	-	-	**SDD/1**	DD001	2,3
HTE.2	**-**	-	-	**SDD/1**	DD001	2,3
HSCB.6	**PSD/O**	PD017	2,35	**SDD/1**	DD001	2,3
HTE.2/1+2	**-**	-	-	**SDD/1**	DD001	2,3
HTE.2/2+2	**-**	-	-	**SDD/1**	DD001	2,3
HTE.4	**-**	-	-	**SDD/1**	DD001	2,3
HTE.6	**-**	-	-	**SDD/1**	DD001	2,3
HVPC.2	**-**	-	-	**SDD/1**	DD001	2,3
MAC.6	**-**	-	-	**SDD/1**	DD001	2,3
MPS.2	**PSD/E**	PD005	2,35	**SDD/1**	DD001	2,3
NCS	**PSD/K**	PD011	2,35	**SDD/1**	DD001	2,3
NCV	**PSD/K**	PD011	2,35	**SDD/1**	DD001	2,3
RN.1	**PSD/K**	PD011	2,35	**SDD/1**	DD001	2,3
RFI.2	**PSD/K**	PD011	2,35	**SDD/1**	DD001	2,3
RN.2	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
RP.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
SCB.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
SCB.6	**PSD/P**	PD015	4,05	**SDD/2**	DD002	4
SCX.10	**PSD/L**	PD009	4,05	**SDD/2**	DD002	4
SFC.10	**-**	-	-	**SDD/2**	DD002	4
SFO.4	**PSD/J**	PD014	2,35	**SDD/1**	DD001	2,3
SFR.4	**PSD/J**	PD014	2,35	**SDD/1**	DD001	2,3
SV.10	**PSD/A**	PD001	4,05	**SDD/2**	DD002	4
SV.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3
SV.4	**PSD/A**	PD001	2,35	**SDD/1**	DD001	2,3
SV.6	**PSD/E**	PD005	2,35	**SDD/1**	DD001	2,3
TDE.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3
TLD.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3
TLE.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3
TLS.2	**PSD/D**	PD004	2,35	**SDD/1**	DD001	2,3

F5 fuses

In compliance with IEC 60127-2-1 – rapid fusion – 250 V in steatite tube filled with arc-quenching powder (breaking capacity 1500 A).

F5 fuses characteristics according to DIN 41571

Rated current In	Test current			
	1,5 x In	2,1 x In	4 x In	10 x In
100 mA ÷ 6.3 A	> 1 h	< 30 min	< 300 ms	< 20 ms

F5 fuses characteristics according to IEC 127/I and II

Rated current In	Test current				
	1,5 x In	2,1 x In	4 x In	10 x In	10 x In
100 mA ÷ 6.3 A	> 1 h	< 30 min	100 ms ÷ 2 s	3 ms ÷ 300 ms	< 20 ms
4 A ÷ 6.3 A	> 1 h	< 30 min	19 ms ÷ 3 s	3 ms ÷ 300 ms	< 20 ms

Rated current	Ø 5 x 20 mm fuse without marking		
	Type	Cat. No.	
100 mA	**F5/100 mA**	FN001ST	
200 mA	**F5/200 mA**	FN002ST	
315 mA	**F5/315 mA**	FN003ST	
500 mA	**F5/500 mA**	FN004ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
630 mA	**F5/630 mA**	FN005ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
1 A	**F5/1 A**	FN006ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
1,6 A	**F5/1,6 A**	FN007ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
2 A	**F5/2 A**	FN008ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
2,5 A	**F5/2,5 A**	FN009ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
3,15 A	**F5/3,15 A**	FN010ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
4 A	**F5/4 A**	FN011ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
5 A	**F5/5 A**	FN012ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
6,3 A	**F5/6,3 A**	FN013ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
8 A	**F5/8 A**	FN014ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
10 A	**F5/10 A**	FN015ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A
12 A	**F5/12 A**	FN016ST	* RINA Homologation 5/18/75 - 220V - 50 Hz - 1500 A

LSN torpedo pilot bulbs

Cat. No.	Characteristics
FL201	Ø 6x26 mm torpedo bulb, provided with built-in stabilising resistor, for voltages from 12 to 48 Vac, to be used on terminal blocks type FLD.10/F5L, FLD.10/F6, FPL.10.
FL202	Ø 6x26 mm torpedo bulb, provided with built-in stabilising resistor, for voltages from 70 to 380 Vac, to be used on terminal blocks type FLD.10/F5L, FLD.10/F6, FPL.10.
KITLSN/12-24	For terminal blocks type SFR.6 and SFR.6/M.
KITLSN/70-380	For terminal blocks type SFR.6 and SFR.6/M.

LSH signal elements

For the blow-out status signal on fuse-holder terminal block type HMF4.
Suited to be used in both d.c. and a.c. circuits.

Type	Cat. No.	Rated voltage [Vdc - Vac]	Current I r.m.s. [A] (*)
LSH/12	LS001	12	2,1 mA
LSH/24	LS002	24	2,0 mA
LSH/48	LS003	48	2,2 mA
LSH/115	LS004	115	2,1 mA
LSH/230	LS005	230	2,0 mA

CIL signal circuit

For the blow-out status signal of fuse-holder terminal blocks type SFR.4 - SFO.4 - MAC.6 - SFL.10 and FPL.10.
Suited to be used in both d.c. and a.c. circuits.
Each package is supplied with:
- two contact blades
- a non polarised LED microcircuit
- a transparent protection

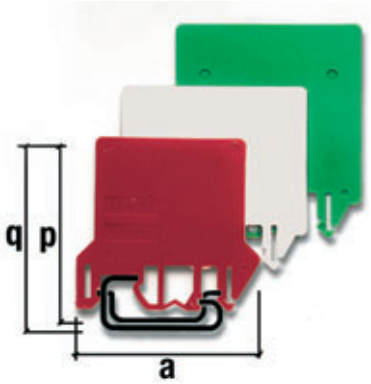
Components must be mounted in such a sequence.

(*) values are to be considered with a tolerance ±10%

Type	Cat. No.	Rated voltage [Vdc - Vac]	Current I r.m.s. [A] (*)
CIL/12	SF512	12	3,0 mA
CIL/24	SF524	24	3,2 mA
CIL/48	SF548	48	2,9 mA
CIL/115	SF515	115	2,3 mA
CIL/230	SF523	230	2,3 mA

DFU-DFH-DFP partitions

In polyamide available in **green**, **red** and **white**, colour, 1.5 mm thick, for the separation of elements on the terminal board, in order to make certain circuits easy to locate or to increase the insulation distances between terminal blocks.
The partitions can also be used to increase the insulation distances between adjacent parallel multiple commoning bars.



NOTE:
q dimension can be obtained by adding 4 mm to dimension **p**

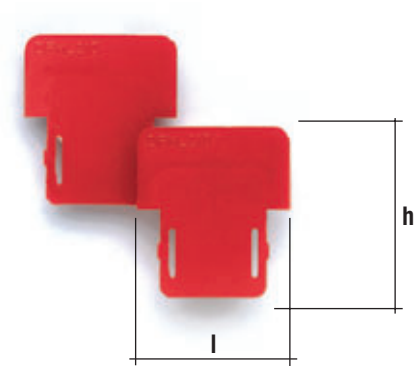
Terminal block	Partition				Dimensions a x p
	Type	White Cat. No.	Red Cat. No.	Green Cat. No.	
Screw-clamp terminal blocks					
AFO.2/1+1	**DFU/1**	DU01B	DU01R	DU01V	52 x 51
AFO.2/2+2	**DFU/1**	DU01B	DU01R	DU01V	52 x 51
CBC.2	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBC.4	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBC.6	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBC.10	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBC.16	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
CBC.35	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
CBD.2	**DFU/1**	DU01B	DU01R	DU01V	52 x 51
CBD.4	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBD.6	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBD.10	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBD.16	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBD.35	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
CBD.50	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
CBD.70	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
CBE.2	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CBR.2	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
CVF.4	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
DAS.4	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
DBC.2	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
DSS.4	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
DSFA.4	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
EDM.2	**DFU/1**	DU01B	DU01R	DU01V	52 x 51
EDM.4	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
EDM.6	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
EDM.10	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
EDM.16	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
EDM.25	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
EDM.35	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
EDM.70	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
FDP.2	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
FLD.10/...	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
FPC.10	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
FPL.10	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
FVS.4	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
MPFA.4	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
MPS.2/SV	**DFU/2**	DU02B	DU02R	DU02V	52 x 54
MPS.2/SW	**DFU/2**	DU02B	DU02R	DU02V	52 x 54
MPS.2/SWP	**DFU/2**	DU02B	DU02R	DU02V	52 x 54
MPS.4	**DFU/3**	DU03B	DU03R	DU03V	80 x 64
MPS.4/SV	**DFU/3**	DU03B	DU03R	DU03V	80 x 64
NCS	**DFU/2**	DU02B	DU02R	DU02V	52 x 54
NCV	**DFU/2**	DU02B	DU02R	DU02V	52 x 54
PDF.2	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
RFI.2	**DFP/2**	DFP2B	DFP2R	DFP2V	37 x 38
RN.1	**DFP/2**	DFP2B	DFP2R	DFP2V	37 x 38
RN.2	**DFP/2**	DFP2B	DFP2R	DFP2V	37 x 38
RP.4	**DFP/2**	DFP2B	DFP2R	DFP2V	37 x 38
SCB.4	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
SCB.6	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
SCB.6/DD	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
SCB.6/CD	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
SCX.10	**DFU/7**	DU07B	DU07R	DU07V	80 x 64

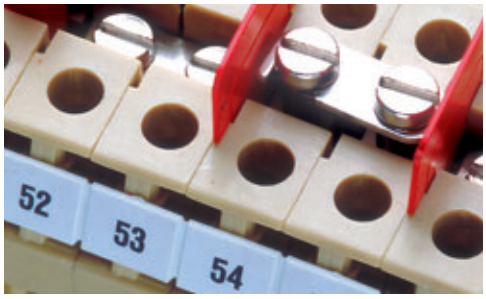
Terminal block	Partition				Dimensions a x p
	Type	White Cat. No.	Red Cat. No.	Green Cat. No.	
SFC.10	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
SFL.10	**DFU/6**	DU06B	DU06R	DU06V	72 x 74
SFO.4	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
SFR.4	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
SFR.6	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
SV.2	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
SV.4	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
SV.6	**DFU/4**	DU04B	DU04R	DU04V	52 x 62
SV.10	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
TC/DIN	**DFU/1**	DU01B	DU01R	DU01V	52 x 51
TC/PO	**DFU/1**	DU01B	DU01R	DU01V	52 x 51
TDE.2	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
TLD.2	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
TLE.2	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
TLS.2	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
VLM.10	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
VLM.10/O	**DFU/3**	DU03B	DU03R	DU03V	68 x 57
VPC.2	**DFU/5**	DU05B	DU05R	DU05V	62 x 68
VPD.2	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
Spring-clamp terminal blocks					
HCD.1	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
HMD.2	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HMF.4	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HMFA.2	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HMM.2	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HMM.2/1+2	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HMM.2/2+2	**DFH/3**	DH03B	DH03R	DH03V	88 x 42,5
HMM.2/2+2/S	**DFH/3**	DH03B	DH03R	DH03V	88 x 42,5
HMM.4	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HMM.4/1+2	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HMM.4/2+2	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HMM.6	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HMM.10	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HMM.16	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HVPC.2	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HMS.2	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HPP.2	**DFP/2**	DFP2B	DFP2R	DFP2V	37 x 38
HPP.2/P	**DFP/2**	DFP2B	DFP2R	DFP2V	37 x 38
HTE.2	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HTE.2/1+1	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HTE.2/2+2	**DFH/3**	DH03B	DH03R	DH03V	88 x 42,5
HTE.4	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HTE.6	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HMM.1	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HMM.1/1+2	**DFH/3**	DH03B	DH03R	DH03V	88 x 42,5
HMM.1/2+2	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HMD.1	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
HMD.2N	**DFU/7**	DU07B	DU07R	DU07V	80 x 64
HMM.2/1+2/S	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HSCB.4	**DFH/4**	DH04B	DH04R	DH04V	97 x 51,5
HTE.1	**DFH/1**	DH01B	DH01R	DH01V	64 x 42,5
HTE.1/1+2	**DFH/2**	DH02B	DH02R	DH02V	76 x 42,5
HTE.1/2+2	**DFH/3**	DH03B	DH03R	DH03V	88 x 42,5

Partitions

DFM

Red coloured in polyamide when it is necessary to **guarantee the insulation distance between permanent or switchable cross connections,** inserted between adjacent pairs of terminal blocks and, similarly, between **multiple commoning bars,** inserted between adjacent groups of terminal blocks.





Terminal block	Partition		Dimensions l x h	Thickness mm
	Type	Cat. No.		
CBC.2	**DFM/900**	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.4	**DFM/900**	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.6	**DFM/900**	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.10	**DFM/900**	DF900	17 x 18	0,5
	DFM/800	DF800	11 x 18	0,5
CBC.16	**DFM/700**	DF700	28 x 32	0,5
CBC.35	**DFM/700**	DF700	28 x 32	0,5
CBD.2	**DFM/600**	DF600	24 x 31	0,5
CBD.4	**DFM/600**	DF600	24 x 31	0,5
CBD.6	**DFM/600**	DF600	24 x 31	0,5
CBD.10	**DFM/700**	DF700	28 x 32	0,5
CBD.16	**DFM/700**	DF700	28 x 32	0,5
CBD.35	**DFM/700**	DF700	28 x 32	0,5
CBD.50	**DFM/700**	DF700	28 x 32	0,5
CBD.70	**DFM/700**	DF700	28 x 32	0,5
DBC.2	**DFM/900**	DF900	17 x 18	0,5
	DFM/800	DF800	17 x 18	0,5
	DFM/500	DF500	4,6 x 13,5	0,5
DSS.4	**DFM/500**	DF500	4,6 x 13,5	0,5
DSFA.4	**DFM/500**	DF500	4,6 x 13,5	0,5
HMM.1	**DFM/500**	DF500	4,6 x 13,5	0,5
HMM.1/1+2	**DFM/500**	DF500	4,6 x 13,5	0,5
HMM.1/2+2	**DFM/500**	DF500	4,6 x 13,5	0,5
HMD.1	**DFM/500**	DF500	4,6 x 13,5	0,5
HMD.2/N	**DFM/500**	DF500	4,6 x 13,5	0,5
MPS.4	**DFM/500**	DF500	4,6 x 13,5	0,5
MPFA.4	**DFM/500**	DF500	4,6 x 13,5	0,5
TLD.2	**DFM/400**	DF400	10 x 18	0,5
TLS.2	**DFM/400**	DF400	10 x 18	0,5
VPC.2	**DFM/300**	DF300	9,4 x 12,9	0,4
VPD.2	**DFM/300**	DF300	9,4 x 12,9	0,4

Protection covers

PRT covers / SPS supports

(*) vertical dimensions including rail

For protection against accidental contacts or tampering of CDA, ACB series terminal blocks. Of self-estinguishing and transparent material, 2.3 mm pitch and 200 mm standard length (corresponding to a total width of four adjacent terminal blocks).
Covers are available in three sizes:

PRT/P 22 x 125 mm (Cat.No. PRT01)
- for the protection of ACB/BB terminal blocks

PRT/M 50 x 125 mm (Cat.No. PRT02)
- for the protection of ACB/CC terminal blocks
- for the protection of CDA terminal blocks.

PRT/G 85 x 125 mm (Cat.No. PRT03)
- to be used when conductors are arriving from the rear of the panel or when not connected clamping units must be protected.

PRT covers should be inserted on **SPS** supports, manufactured of self-extinguishing UL94V-0 classed ABS, 5 mm pitch, interposed between adjacent terminal blocks. Protection of the four adjacent terminal blocks is performed by means of **two** overlapped PRT covers.
Note: The ID Cat. No. (i.e. PRT01) is **referred** to a single item.

PZM protection covers and PZD supports

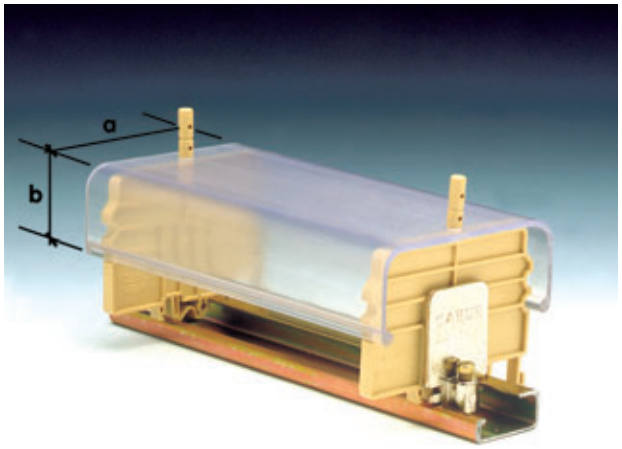
Terminal blocks having a cross-section up to 70 mm^2 can be protected against accidental contacts or tampering, by means of a **PVC** transparent cover, **supplied in a standard lenght of 2 m,** to be mounted on appropriate polyamide supports and to be inserted on PR/DIN, PR/3, "G32" type and TH/35.mounting rails.
They can be fixed by sealing the support ends.

PZM.4 cover (a = 64+2 mm / b = 32 mm)

Cat. No. **PZ330**

Suitable for terminal blocks with **overall dimension up to approximately 58 mm** (mounting rail included).
To be mounted with **PZD.4/SO** supports (Cat. No. PZ331)
Maximum dimension PZM.4 + PZD.4/SO
- on IEC 60715/G32 mounting rail = 70 or 82 mm (*)
- on IEC 60715/TH35 mounting rail = 65 or 77 mm (*)

(*) depending on the notches used, upper or lower.



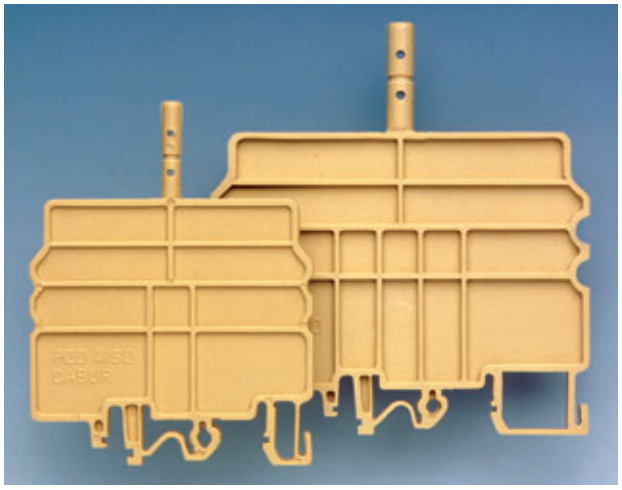
PZM.4 - PZM.6 covers

PZM.6 cover (a = 85+2 mm / b = 36 mm)

Cat. No. **PZ110**

Suitable for terminal blocks with **overall dimension over 58 mm,** (mounting rail included).
To be mounted with **PZD.6/SO** supports (Cat. No.PZ112)
Maximum dimension PZM.6 + PZD.6/SO
- on IEC 60715/G32 mounting rail = 82 o 94 mm (*)
- on IEC 60715/TH35 mounting rail = 78 o 90 mm (*)

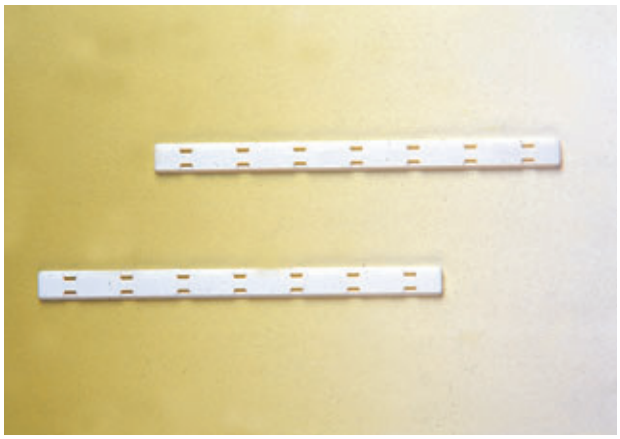
(*) depending on the notches used, upper or lower.


PZD.4/SO - PZD.6/SO supports

PRP protections

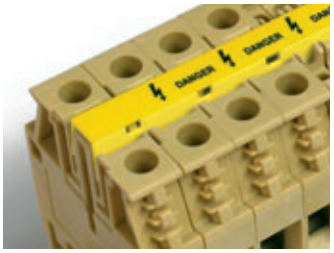
The cross connection, consisting of a PMP multiple commoning bar and CPM screws and sleeves, already placed in a recessed position with respect to the terminal board, can be further protected from accidental contact using a nylon U-shaped cover having a standard length of 10 cm. This white-coloured cover, can also be written upon, to serve as a label or reference point on the terminal board.
On the cover suitable slits are arranged to facilitate its removal by using a screwdriver.

for terminal blocks with a cross section of 2,5-4 mm^2	**PRP/6**	Cat. No. **PRP06**
for terminal blocks with a cross section of 4-16 mm^2	**PRP/7**	Cat. No. **PRP07**
for terminal blocks with a cross section of 25-70 mm^2	**PRP/8**	Cat. No. **PRP08**
for terminal blocks type TLD.2-TLS.2-CBR.2-DAS.4-TLE.2-TDE.2	**PRP/5 (red, blue, white)**	Cat. No. **PRP05**


PRP protections

Warning plates

TQM-TTM-TUM-PRP/7/G



Made of self-extinguishing material, they are suitable to ensure operating safety on terminal blocks connected to live circuits.
Cabur warning plates bear signals and warning writings that can be fitted on top of the blocks by means of nylon screws. They are available in several models with various sizes depending on the types of terminal blocks.
Warning plates can cover three or four poles; in some cases the three pole plate is obtained from the four pole version by removing a pre-cut part.
For CBC. 2-4-6-10 terminal blocks screwless PRP/7/G is supplied, to be inserted in the cross connection groove.

Terminal block	Warning plate for 3 terminal blocks		l x h mm	Warning plate for 4 terminal blocks		l x h mm	Screw M x l (mm)
	Type	Cat. No.		Type	Cat. No.		
CBC.2	**PRP/7/G (*)**	PRP070G	l = 100	**PRP/7/G (*)**	PRP070G	100	-
CBC.4	**PRP/7/G (*)**	PRP070G	l = 100	**PRP/7/G (*)**	PRP070G	100	-
CBC.6	**PRP/7/G (*)**	PRP070G	l = 100	**PRP/7/G (*)**	PRP070G	100	-
CBC.10	**PRP/7/G (*)**	PRP070G	l = 100	**PRP/7/G (*)**	PRP070G	100	-
CBC.16	**TUM/16**	TUM16	48 x 34	**TUM/16**	TUM16	48 x 34	4 x 30
CBC.35	**TUM/06**	TUM06	63 x 34	**TUM/06**	TUM06	63 x 34	4 x 30
CBD.2	**-**	-	-	**TQM/02**	TQM02	25 x 26	2,5 x 20
CBD.4	**TTM/12**	TTM12	25 x 26	**TTM/12**	TTM12	25 x 26	3 x 25
CBD.6	**TTM/15**	TTM15	25 x 26	**TQM/15**	TQM15	32 x 26	3,5 x 25
CBD.10	**TTM/04**	TTM04	32 x 26	**TQM/04**	TQM04	40 x 26	4 x 25
CBD.16	**TUM/05**	TUM05	48 x 34	**TUM/05**	TUM05	48 x 34	4 x 25
CBD.35	**TUM/06**	TUM06	63 x 34	**TUM/06**	TUM06	63 x 34	4 x 30
CBD.50	**TUM/07**	TUM07	72 x 42	**TUM/07**	TUM07	72 x 42	5 x 30
CBD.70	**TUM/08**	TUM08	82 x 42	**TUM/08**	TUM08	82 x 42	5 x 40
EDM.2	**-**	-	-	**TQM/02**	TQM02	25 x 26	2,5 x 20
EDM.4	**TTM/12**	TTM12	25 x 26	**TTM/12**	TTM12	25 x 26	3 x 25
EDM.6	**TTM/15**	TTM15	25 x 26	**TQM/15**	TQM15	32 x 26	3,5 x 25
EDM.10	**-**	-	-	**TQM/04**	TQM04	40 x 26	4 x 25
EDM.16	**TUM/05**	TUM05	48 x 34	**TUM/05**	TUM05	48 x 34	4 x 25
EDM.25	**TUM/06**	TUM06	63 x 34	**TUM/06**	TUM06	63 x 34	4 x 30
EDM.35	**TUM/07**	TUM07	72 x 42	**TUM/07**	TUM07	72 x 42	5 x 30
EDM.70	**TUM/08**	TUM08	82 x 42	**TUM/08**	TUM08	82 x 42	5 x 40
SV.2	**-**	-	-	**TQM/02**	TQM02	25 x 26	2,5 x 20
SV.4	**TTM/12**	TTM12	25 x 26	**TQM/12**	TQM12	40 x 26	3,5 x 30
SV.6	**TTM/13**	TTM13	25 x 26	**TQM/13**	TQM13	25 x 26	2,5 x 20
SV.10	**TTM/14**	TTM14	32 x 26	**TQM/14**	TQM14	25 x 26	3 x 15

(*) to be cut to length

TAI

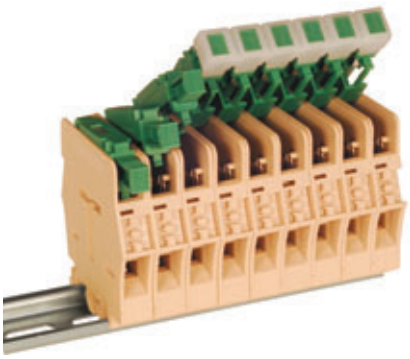
Possible danger status may be marked using **special triangular self-adhesive labels**

TAI/6 (Cat. No. TA001)
TAI/12 (Cat. No. TA002)

to be applied on safety and protection covers.

MSM handle

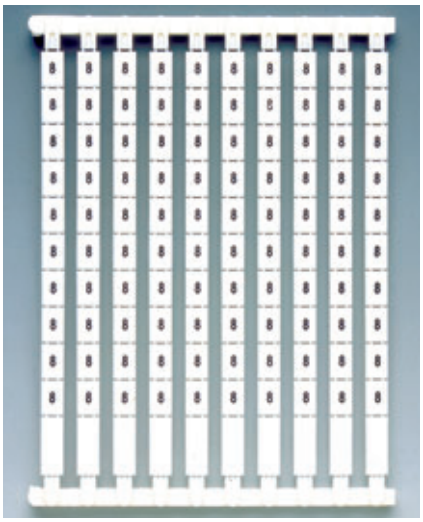
For the simultaneous disconnection of adjoining FPL.10 and SFL.10 terminal blocks.
Supplied in strips of 6 elements.
MSM (Cat. No. FC103)



Marking systems

CNU/8

Marking tags suited for **marking all types of terminal blocks (screw-clamp terminal blocks and spring-clamp terminal blocks)** in tables of 100 elements. In white polyamide with black printing, to be applied directly into position either before or after composition of the terminal board. **5 mm standardised pitch and 8 mm high.**



CNU/8/888 table Cat. No. N8888

Note: those shown in the tables are the standard types of markers, normally available; on request, it is possible to supply tags of each type (with the exception of CSC), with: numbers, letters, symbols and customised logos.

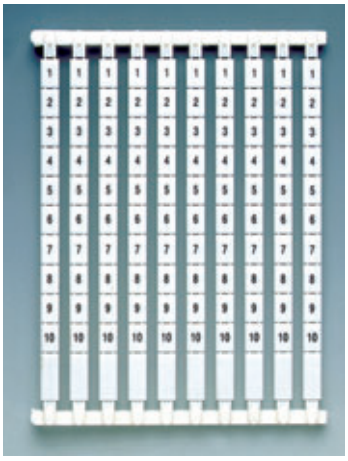
Marking	Type (100 elements)	Cat. No.
blank	CNU/8/030	NU008
0	CNU/8/000	N8000
1	CNU/8/111	N8111
2	CNU/8/222	N8222
3	CNU/8/333	N8333
4	CNU/8/444	N8444
5	CNU/8/555	N8555
6	CNU/8/666	N8666
7	CNU/8/777	N8777
8	CNU/8/888	N8888
9	CNU/8/999	N8999
10	CNU/8/010	N8010
11	CNU/8/11	N8Y11
12	CNU/8/12	N8Y12
13	CNU/8/13	N8Y13
14	CNU/8/14	N8Y14
15	CNU/8/15	N8Y15
16	CNU/8/16	N8Y16
17	CNU/8/17	N8Y17
18	CNU/8/18	N8Y18
19	CNU/8/19	N8Y19
20	CNU/8/20	N8Y20
21	CNU/8/21	N8Y21
22	CNU/8/22	N8Y22
23	CNU/8/23	N8Y23
24	CNU/8/24	N8Y24
25	CNU/8/25	N8Y25
26	CNU/8/26	N8Y26
27	CNU/8/27	N8Y27
28	CNU/8/28	N8Y28
29	CNU/8/29	N8Y29
30	CNU/8/30	N8Y30
31	CNU/8/31	N8Y31
32	CNU/8/32	N8Y32
33	CNU/8/33	N8Y33
34	CNU/8/34	N8Y34
35	CNU/8/35	N8Y35
36	CNU/8/36	N8Y36
37	CNU/8/37	N8Y37
38	CNU/8/38	N8Y38
39	CNU/8/39	N8Y39
40	CNU/8/40	N8Y40
41	CNU/8/41	N8Y41
42	CNU/8/42	N8Y42
43	CNU/8/43	N8Y43
44	CNU/8/44	N8Y44
45	CNU/8/45	N8Y45
46	CNU/8/46	N8Y46
47	CNU/8/47	N8Y47
48	CNU/8/48	N8Y48
49	CNU/8/49	N8Y49
50	CNU/8/50	N8Y50
51	CNU/8/51	N8Y51
52	CNU/8/52	N8Y52

Marking	Type (100 elements)	Cat. No.
53	CNU/8/53	N8Y53
54	CNU/8/54	N8Y54
55	CNU/8/55	N8Y55
56	CNU/8/56	N8Y56
57	CNU/8/57	N8Y57
58	CNU/8/58	N8Y58
59	CNU/8/59	N8Y59
60	CNU/8/60	N8Y60
61	CNU/8/61	N8Y61
62	CNU/8/62	N8Y62
63	CNU/8/63	N8Y63
64	CNU/8/64	N8Y64
65	CNU/8/65	N8Y65
66	CNU/8/66	N8Y66
67	CNU/8/67	N8Y67
68	CNU/8/68	N8Y68
69	CNU/8/69	N8Y69
70	CNU/8/70	N8Y70
71	CNU/8/71	N8Y71
72	CNU/8/72	N8Y72
73	CNU/8/73	N8Y73
74	CNU/8/74	N8Y74
75	CNU/8/75	N8Y75
76	CNU/8/76	N8Y76
77	CNU/8/77	N8Y77
78	CNU/8/78	N8Y78
79	CNU/8/79	N8Y79
80	CNU/8/80	N8Y80
81	CNU/8/81	N8Y81
82	CNU/8/82	N8Y82
83	CNU/8/83	N8Y83
84	CNU/8/84	N8Y84
85	CNU/8/85	N8Y85
86	CNU/8/86	N8Y86
87	CNU/8/87	N8Y87
88	CNU/8/88	N8Y88
89	CNU/8/89	N8Y89
90	CNU/8/90	N8Y90
91	CNU/8/91	N8Y91
92	CNU/8/92	N8Y92
93	CNU/8/93	N8Y93
94	CNU/8/94	N8Y94
95	CNU/8/95	N8Y95
96	CNU/8/96	N8Y96
97	CNU/8/97	N8Y97
98	CNU/8/98	N8Y98
99	CNU/8/99	N8Y99
100	CNU/8/100	N8Y10
110	CNU/8/910	N8910
230	CNU/8/230	N8230
380	CNU/8/980	N8980

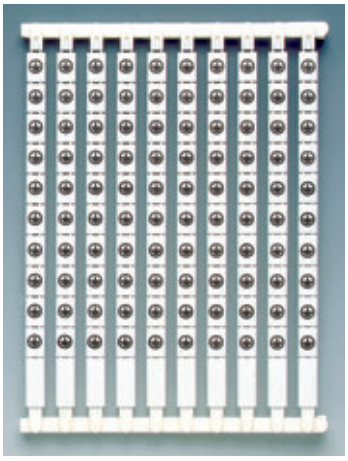
CNU/8

TABLES WITH SERIES OF NUMBERS

Marking	Table type (100 elements)	Cat. No.
1-10 (10 Series)	CNU/8/510	N8510
11-20 (10 Series)	CNU/8/520	N8520
21-30 (10 Series)	CNU/8/530	N8530
31-40 (10 Series)	CNU/8/540	N8540
41-50 (10 Series)	CNU/8/550	N8550
51-60 (10 Series)	CNU/8/560	N8560
61-70 (10 Series)	CNU/8/570	N8570
71-80 (10 Series)	CNU/8/580	N8580
81-90 (10 Series)	CNU/8/590	N8590
91-100 (10 Series)	CNU/8/600	N8600
1-50 (2 Series)	CNU/8/001	N8001
51-100 (2 Series)	CNU/8/051	N8051
101-150 (2 Series)	CNU/8/101	N8101
151-200 (2 Series)	CNU/8/151	N8151
201-250 (2 Series)	CNU/8/201	N8201
251-300 (2 Series)	CNU/8/251	N8251
301-350 (2 Series)	CNU/8/301	N8301
351-400 (2 Series)	CNU/8/351	N8351
401-450 (2 Series)	CNU/8/401	N8401
451-500 (2 Series)	CNU/8/451	N8451
501-550 (2 Series)	CNU/8/501	N8501
551-600 (2 Series)	CNU/8/551	N8551
601-650 (2 Series)	CNU/8/601	N8601
651-700 (2 Series)	CNU/8/651	N8651
701-750 (2 Series)	CNU/8/701	N8701
751-800 (2 Series)	CNU/8/751	N8751
801-850 (2 Series)	CNU/8/801	N8801
851-900 (2 Series)	CNU/8/851	N8851
901-950 (2 Series)	CNU/8/901	N8901
951-999 (2 Series)	CNU/8/951	N8951



CNU/8/510 table Cat. No. N8510



CNU/8/028 table Cat. No. N8028

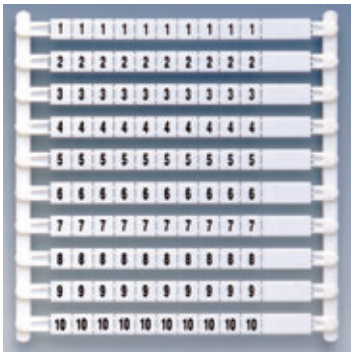
TABLES WITH SERIES OF LETTERS AND SYMBOLS

Marking	Table type (100 elements)	Cat. No.
A	CNU/8/031	N8031
B	CNU/8/032	N8032
C	CNU/8/033	N8033
D	CNU/8/034	N8034
E	CNU/8/035	N8035
F	CNU/8/036	N8036
G	CNU/8/037	N8037
H	CNU/8/038	N8038
I	CNU/8/043	N8043
L	CNU/8/044	N8044
M	CNU/8/045	N8045
N	CNU/8/016	N8016
O	CNU/8/046	N8046
P	CNU/8/047	N8047
Q	CNU/8/048	N8048
R	CNU/8/013	N8013
S	CNU/8/014	N8014
T	CNU/8/015	N8015
U	CNU/8/017	N8017
V	CNU/8/018	N8018
Z	CNU/8/022	N8022
J	CNU/8/049	N8049
K	CNU/8/050	N8050
X	CNU/8/020	N8020
Y	CNU/8/021	N8021
W	CNU/8/019	N8019
L1	CNU/8/0L1	N80L1
L2	CNU/8/0L2	N80L2
L3	CNU/8/0L3	N80L3
U1	CNU/8/0U1	N80U1
U2	CNU/8/0U2	N80U2
V1	CNU/8/0V1	N80V1
V2	CNU/8/0V2	N80V2
W1	CNU/8/0W1	N80W1
W2	CNU/8/0W2	N80W2
PE	CNU/8/0PE	N80PE
PEN	CNU/8/0PN	N80PN
4 upper case alphabets (*)	CNU/8/011	N8011
4 lower case alphabets (*)	CNU/8/012	N8012
+	CNU/8/023	N8023
-	CNU/8/024	N8024
=	CNU/8/025	N8025
~	CNU/8/026	N8026
⏚	CNU/8/027	N8027
⏚	CNU/8/028	N8028

(*) excluding letter j

CNU/5

Marking tags suited for **marking BPL.4 and TPL.4 modular terminal blocks. Tables of 100 elements.**
In white polyamide with black printing, to be applied directly into position either before or after the composition of the terminal assembly.
5 mm standardised pitch and 5 mm high.



CNU/5/123 table Cat. No. N5123

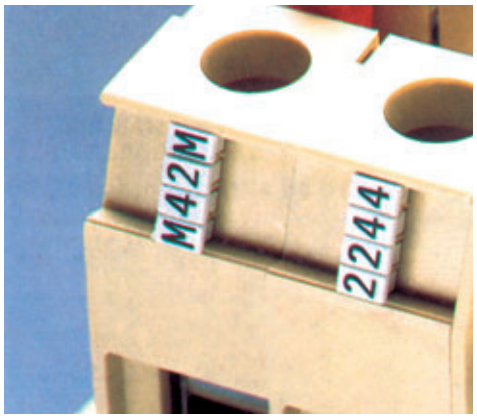
Marking	Table type (100 elements)	Cat. No.
blank	**CNU/5/030**	NU005
1-10 (10 Series)	**CNU/5/110**	N5110
1-50 (2 Series)	**CNU/5/250**	N5250
51-100 (2 Series)	**CNU/5/350**	N5350
N	**CNU/5/016**	N5016
R	**CNU/5/017**	N5017
S	**CNU/5/018**	N5018
T	**CNU/5/015**	N5015
+	**CNU/5/023**	N5023
-	**CNU/5/024**	N5024
~	**CNU/5/025**	N5025
⏚	**CNU/5/026**	N5026
⏚	**CNU/5/027**	N5027
=	**CNU/5/029**	N5029
1-2-3-4-5-6-7-8-9-10	**CNU/5/123**	N5123

CSC

Quick-attaching clip-on marking tags, allowing the composition of identification markings, also alphanumeric, for circuits.

The tags can be attached directly onto polyamide terminal blocks, or using special adapters for melamine terminal blocks.

ADR/2 2-position adapter Cat. No. ADR02
ADR/4 4-position adapter Cat. No. ADR04
ADR/6 6-position adapter Cat. No. ADR06



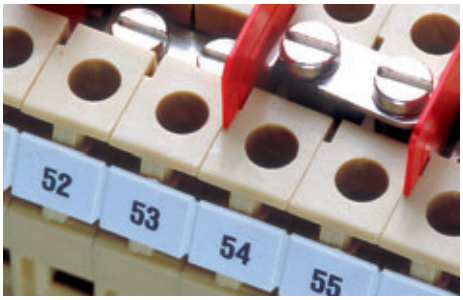
Marking	Table type (100 elements)	Cat. No.
blank	CSC	CSC00
0	CSC/00	CS000
1	CSC/11	CS111
2	CSC/22	CS222
3	CSC/33	CS333
4	CSC/44	CS444
5	CSC/55	CS555
6	CSC/66	CS666
7	CSC/77	CS777
8	CSC/88	CS888
9	CSC/99	CS999
0-1-2-3-4-5-6-7-8-9	CSC/09	CSC09
A	CSC/AA	CSAAA
B	CSC/BB	CSBBB
C	CSC/CC	CSCCC
D	CSC/DD	CSDDD
E	CSC/EE	CSEEE
F	CSC/FF	CSFFF
G	CSC/GG	CSGGG
H	CSC/HH	CSHHH
I	CSC/II	CSIII
J	CSC/JJ	CSJJJ
K	CSC/KK	CSKKK
L	CSC/LL	CSLLL

Marking	Table type (100 elements)	Cat. No.
M	CSC/MM	CSMMM
N	CSC/NN	CSNNN
P	CSC/PP	CSPPP
Q	CSC/QQ	CSQQQ
R	CSC/RR	CSRRR
S	CSC/SS	CSSSS
T	CSC/TT	CSTTT
U	CSC/UU	CSUUU
V	CSC/VV	CSVVV
W	CSC/WW	CSWWW
X	CSC/XX	CSXXX
Y	CSC/YY	CSYYY
Z	CSC/ZZ	CSZZZ
a	CSC/aa	CS00A
b	CSC/bb	CS00B
c	CSC/cc	CS00C
d	CSC/dd	CS00D
e	CSC/ee	CS00E
f	CSC/ff	CS00F
g	CSC/gg	CS00G
h	CSC/hh	CS00H
i	CSC/ii	CS00I
j	CSC/jj	CS00J
k	CSC/kk	CS00K

Marking	Table type (100 elements)	Cat. No.
l	CSC/ll	CS00L
m	CSC/mm	CS00M
n	CSC/nn	CS00N
o	CSC/oo	CS00O
p	CSC/pp	CS00P
q	CSC/qq	CS00Q
r	CSC/rr	CS00R
s	CSC/ss	CS00S
t	CSC/tt	CS00T
u	CSC/uu	CS00U
v	CSC/vv	CS00V
w	CSC/ww	CS00W
x	CSC/xx	CS00X
y	CSC/yy	CS00Y
z	CSC/zz	CS00Z
=	CSC/G1	CS0G1
+	CSC/G2	CS0G2
-	CSC/G3	CS0G3
~	CSC/G4	CS0G4
⏚	CSC/G5	CS0G5
⏚	CSC/G6	CS0G6
÷	CSC/G7	CS0G7
/	CSC/G8	CS0G8
(	CSC/G9	CS0G9

Numbering strips

For the rapid marking of terminal boards.
In plastic material, to be applied directly to certain types of melamine or polyamide terminal blocks, and by acting with the elastic clip-on system.
Available in strips of 10 elements.

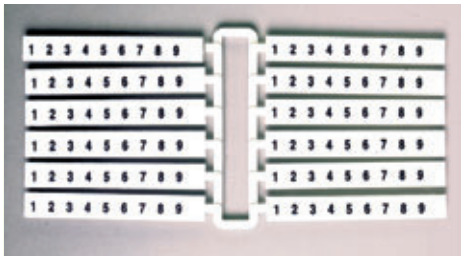


SNZ for screw-clamp terminal blocks

SHZ for spring-clamp terminal blocks

Terminal block	Strip type
Screw-clamp terminal blocks	
CBC.2	**SNZ/508**
CBC.4	**SNZ/60**
CBC.6	**SNZ/8**
CBC.10	**SNZ/10**
AFO.2/1+2	**SNZ/65**
AFO.2/2+2	**SNZ/65**
CBD.2	**SNZ/5**
CBD.4	**SNZ/65**
CBD.6	**SNZ/8**
CBD.10	**SNZ/10**
CBR.2	**SNZ/508**
CVF.2	**SNZ/60**
DAS.4	**SNZ/60**
DBC.2	**SNZ/508**
DSFA.4	**SNZ/60**
DSS.4	**SNZ/60**
EDM.2	**SNZ/65**
EDM.4	**SNZ/8**
EDM.6	**SNZ/10**
EDM.10	**SNZ/60**
FDP.2	**SNZ/65**
FFS.4	**SNZ/65**
FVS.4	**SNZ/8**
MAC.6	**SNZ/5**
MPFA.4	**SNZ/60**
MPS.2/SV	**SNZ/5**
MPS.2/SW	**SNZ/5**
MPS.2/SWP	**SNZ/5**
MPS.4	**SNZ/60**
NCS	**SNZ/60**
NCV	**SNZ/60**
PDF.2	**SNZ/65**
RFI.2	**SNZ/60**
RN.1	**SNZ/4**
RN.2	**SNZ/508**
RP.4	**SNZ/60**
SCB.4	**SNZ/60**
SCB.6	**SNZ/8**
SFO.4	**SNZ/8**
SFR.4	**SNZ/8**
SFR.6	**SNZ/10**
SV.2	**SNZ/5**
SV.4	**SNZ/7**

Terminal block	Strip type
SV.6	**SNZ/8**
SV.10	**SNZ/10**
TC/DIN	**SNZ/5**
TC/PO	**SNZ/5**
TDE.2	**SNZ/60**
TLD.2	**SNZ/60**
TLE.2	**SNZ/60**
TLS.2	**SNZ/60**
VPC.2	**SNZ/508**
VPD.2	**SNZ/508**
Spring-clamp terminal blocks	
HCD.1	**SNZ/508**
HMF.4	**SHZ/6**
HMFA.2	**SHZ/2**
HMD.1	**SHZ/1**
HMD.2	**SHZ/2**
HMD.2N	**SHZ/2**
HMM.1	**SHZ/1**
HMM.1/1+2	**SHZ/1**
HMM.1/2+2	**SHZ/1**
HMM.2	**SHZ/2**
HMM.2/1+2	**SHZ/2**
HMM.2/2+2	**SHZ/2**
HMM.2/2+2/S	**SHZ/2**
HMM.4	**SHZ/4**
HMM.6	**SHZ/6**
HMS.2	**SHZ/2**
HPP.2	**SHZ/2**
HPP.2/P	**SHZ/2**
HTE.1	**SHZ/1**
HTE.1/1+2	**SHZ/1**
HTE.1/2+2	**SHZ/1**
HTE.2	**SHZ/2**
HTE.2/1+2	**SHZ/2**
HTE.2/2+2	**SHZ/2**
HTE.4	**SHZ/4**
HTE.6	**SHZ/6**
HVPC.2	**SHZ/2**
HVTE.2	**SHZ/2**
CHP.2	**-**
CHP.2D	**-**
CHTE.2	**-**
CHTE.2D	**-**



Numbering strips

SNZ for screw-clamp terminal blocks

Marking	SNZ/4		SNZ/5		SNZ/508		SNZ/60	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Blank	SNZ/4/00	SN008	SNZ/5/00	SN001	SNZ/508/00	SN009	SNZ/60/00	SN007
From 1 to 9	SNZ/4/19	SN819	SNZ/5/19	SN119	SNZ/508/19	SN919	SNZ/60/19	SN719
From 1 to 10	SNZ/4/10	SN810	SNZ/5/10	SN110	SNZ/508/10	SN910	SNZ/60/10	SN710
From 11 to 20	SNZ/4/11	SN811	SNZ/5/11	SN111	SNZ/508/11	SN911	SNZ/60/11	SN711
From 21 to 30	SNZ/4/21	SN821	SNZ/5/21	SN121	SNZ/508/21	SN921	SNZ/60/21	SN721
From 31 to 40	SNZ/4/31	SN831	SNZ/5/31	SN131	SNZ/508/31	SN931	SNZ/60/31	SN731
From 41 to 50	SNZ/4/41	SN841	SNZ/5/41	SN141	SNZ/508/41	SN941	SNZ/60/41	SN741
From 51 to 60	SNZ/4/51	SN518	SNZ/5/51	SN151	SNZ/508/51	SN951	SNZ/60/51	SN751
From 61 to 70	SNZ/4/61	SN861	SNZ/5/61	SN161	SNZ/508/61	SN961	SNZ/60/61	SN761
From 71 to 80	SNZ/4/71	SN871	SNZ/5/71	SN171	SNZ/508/71	SN971	SNZ/60/71	SN771
From 81 to 90	SNZ/4/81	SN881	SNZ/5/81	SN181	SNZ/508/81	SN981	SNZ/60/81	SN781
From 91 to 99	SNZ/4/91	SN891	SNZ/5/91	SN191	SNZ/508/91	SN991	SNZ/60/91	SN791

Marking	SNZ/65		SNZ/7		SNZ/8		SNZ/10	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Blank	SNZ/65/00	SN006	SNZ/7/00	SN003	SNZ/8/00	SN004	SNZ/10/00	SN005
From 1 to 9	SNZ/65/19	SN619	SNZ/7/19	SN319	SNZ/8/19	SN419	SNZ/10/19	SN519
From 1 to 10	SNZ/65/10	SN610	SNZ/7/10	SN310	SNZ/8/10	SN410	SNZ/10/10	SN510
From 11 to 20	SNZ/65/11	SN611	SNZ/7/11	SN311	SNZ/8/11	SN411	SNZ/10/11	SN511
From 21 to 30	SNZ/65/21	SN621	SNZ/7/21	SN321	SNZ/8/21	SN421	SNZ/10/21	SN521
From 31 to 40	SNZ/65/31	SN631	SNZ/7/31	SN331	SNZ/8/31	SN431	SNZ/10/31	SN531
From 41 to 50	SNZ/65/41	SN641	SNZ/7/41	SN341	SNZ/8/41	SN441	SNZ/10/41	SN541
From 51 to 60	SNZ/65/51	SN651	SNZ/7/51	SN351	SNZ/8/51	SN451	SNZ/10/51	SN551
From 61 to 70	SNZ/65/61	SN661	SNZ/7/61	SN361	SNZ/8/61	SN461	SNZ/10/61	SN561
From 71 to 80	SNZ/65/71	SN671	SNZ/7/71	SN371	SNZ/8/71	SN471	SNZ/10/71	SN571
From 81 to 90	SNZ/65/81	SN681	SNZ/7/81	SN381	SNZ/8/81	SN481	SNZ/10/81	SN581
From 91 to 99	SNZ/65/91	SN691	SNZ/7/91	SN391	SNZ/8/91	SN491	SNZ/10/91	SN591

Numbering strips

SHZ for spring-clamp terminal blocks

Marking	SHZ/1(*)		SHZ/2		SHZ/4		SHZ/6	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
Blank	**SHZ/1/00**	SH004	**SHZ/2/00**	SH001	**SHZ/4/00**	SH002	**SHZ/6/00**	SH003
From 1 a 9	**SHZ/1/19**	SH419	**SHZ/2/19**	SH119	**SHZ/4/19**	SH219	**SHZ/6/19**	SH319
From 1 a 10	**SHZ/1/10**	SH410	**SHZ/2/10**	SH110	**SHZ/4/10**	SH210	**SHZ/6/10**	SH310
From 11 a 20	**SHZ/1/11**	SH411	**SHZ/2/11**	SH111	**SHZ/4/11**	SH211	**SHZ/6/11**	SH311
From 21 a 30	**SHZ/1/21**	SH421	**SHZ/2/21**	SH121	**SHZ/4/21**	SH221	**SHZ/6/21**	SH321
From 31 a 40	**SHZ/1/31**	SH431	**SHZ/2/31**	SH131	**SHZ/4/31**	SH231	**SHZ/6/31**	SH331
From 41 a 50	**SHZ/1/41**	SH441	**SHZ/2/41**	SH141	**SHZ/4/41**	SH241	**SHZ/6/41**	SH341
From 51 a 60	**SHZ/1/51**	SH451	**SHZ/2/51**	SH151	**SHZ/4/51**	SH251	**SHZ/6/51**	SH351
From 61 a 70	**SHZ/1/61**	SH461	**SHZ/2/61**	SH161	**SHZ/4/61**	SH261	**SHZ/6/61**	SH361
From 71 a 80	**SHZ/1/71**	SH471	**SHZ/2/71**	SH171	**SHZ/4/71**	SH271	**SHZ/6/71**	SH371
From 81 a 90	**SHZ/1/81**	SH481	**SHZ/2/81**	SH181	**SHZ/4/81**	SH281	**SHZ/6/81**	SH381
From 91 a 100	**SHZ/1/91**	SH491	**SHZ/2/91**	SH191	**SHZ/4/91**	SH291	**SHZ/6/91**	SH391
Strip marked A	**SHZ/1/AA**	SH4AA	**SHZ/2/AA**	SH1AA	**SHZ/4/AA**	SH2AA	**SHZ/6/AA**	SH3AA
Strip marked B	**SHZ/1/BB**	SH4BB	**SHZ/2/BB**	SH1BB	**SHZ/4/BB**	SH2BB	**SHZ/6/BB**	SH3BB
Strip marked C	**SHZ/1/CC**	SH4CC	**SHZ/2/CC**	SH1CC	**SHZ/4/CC**	SH2CC	**SHZ/6/CC**	SH3CC
Strip marked D	**SHZ/1/DD**	SH4DD	**SHZ/2/DD**	SH1DD	**SHZ/4/DD**	SH2DD	**SHZ/6/DD**	SH3DD
Strip marked E	**SHZ/1/EE**	SH4EE	**SHZ/2/EE**	SH1EE	**SHZ/4/EE**	SH2EE	**SHZ/6/EE**	SH3EE
Strip marked F	**SHZ/1/FF**	SH4FF	**SHZ/2/FF**	SH1FF	**SHZ/4/FF**	SH2FF	**SHZ/6/FF**	SH3FF
Strip marked G	**SHZ/1/GG**	SH4GG	**SHZ/2/GG**	SH1GG	**SHZ/4/GG**	SH2GG	**SHZ/6/GG**	SH3GG
Strip marked H	**SHZ/1/HH**	SH4HH	**SHZ/2/HH**	SH1HH	**SHZ/4/HH**	SH2HH	**SHZ/6/HH**	SH3HH
Strip marked I	**SHZ/1/II**	SH4II	**SHZ/2/II**	SH1II	**SHZ/4/II**	SH2II	**SHZ/6/II**	SH3II
Strip marked J	**SHZ/1/JJ**	SH4JJ	**SHZ/2/JJ**	SH1JJ	**SHZ/4/JJ**	SH2JJ	**SHZ/6/JJ**	SH3JJ
Strip marked K	**SHZ/1/KK**	SH4KK	**SHZ/2/KK**	SH1KK	**SHZ/4/KK**	SH2KK	**SHZ/6/KK**	SH3KK
Strip marked L	**SHZ/1/LL**	SH4LL	**SHZ/2/LL**	SH1LL	**SHZ/4/LL**	SH2LL	**SHZ/6/LL**	SH3LL
Strip marked M	**SHZ/1/MM**	SH4MM	**SHZ/2/MM**	SH1MM	**SHZ/4/MM**	SH2MM	**SHZ/6/MM**	SH3MM
Strip marked N	**SHZ/1/NN**	SH4NN	**SHZ/2/NN**	SH1NN	**SHZ/4/NN**	SH2NN	**SHZ/6/NN**	SH3NN
Strip marked O	**SHZ/1/OO**	SH4OO	**SHZ/2/OO**	SH1OO	**SHZ/4/OO**	SH2OO	**SHZ/6/OO**	SH3OO
Strip marked P	**SHZ/1/PP**	SH4PP	**SHZ/2/PP**	SH1PP	**SHZ/4/PP**	SH2PP	**SHZ/6/PP**	SH3PP
Strip marked Q	**SHZ/1/QQ**	SH4QQ	**SHZ/2/QQ**	SH1QQ	**SHZ/4/QQ**	SH2QQ	**SHZ/6/QQ**	SH3QQ
Strip marked R	**SHZ/1/RR**	SH4RR	**SHZ/2/RR**	SH1RR	**SHZ/4/RR**	SH2RR	**SHZ/6/RR**	SH3RR
Strip marked S	**SHZ/1/SS**	SH4SS	**SHZ/2/SS**	SH1SS	**SHZ/4/SS**	SH2SS	**SHZ/6/SS**	SH3SS
Strip marked T	**SHZ/1/TT**	SH4TT	**SHZ/2/TT**	SH1TT	**SHZ/4/TT**	SH2TT	**SHZ/6/TT**	SH3TT
Strip marked U	**SHZ/1/UU**	SH4UU	**SHZ/2/UU**	SH1UU	**SHZ/4/UU**	SH2UU	**SHZ/6/UU**	SH3UU
Strip marked V	**SHZ/1/VV**	SH4VV	**SHZ/2/VV**	SH1VV	**SHZ/4/VV**	SH2VV	**SHZ/6/VV**	SH3VV
Strip marked W	**SHZ/1/WW**	SH4WW	**SHZ/2/WW**	SH1WW	**SHZ/4WW**	SH2WW	**SHZ/6/WW**	SH3WW
Strip marked X	**SHZ/1/XX**	SH4XX	**SHZ/2/XX**	SH1XX	**SHZ/4/XX**	SH2XX	**SHZ/6/XX**	SH3XX
Strip marked Y	**SHZ/1/YY**	SH4YY	**SHZ/2/YY**	SH1YY	**SHZ/4/YY**	SH2YY	**SHZ/6/YY**	SH3YY
Strip marked Z	**SHZ/1/ZZ**	SH4ZZ	**SHZ/2/ZZ**	SH1ZZ	**SHZ/4/ZZ**	SH2ZZ	**SHZ/6/ZZ**	SH3ZZ
Strip marked L1	**SHZ/1/L1**	SH4L1	**SHZ/2/L1**	SH1L1	**SHZ/4/L1**	SH2L1	**SHZ/6/L1**	SH3L1
Strip marked L2	**SHZ/1/L2**	SH4L2	**SHZ/2/L2**	SH1L2	**SHZ/4/L2**	SH2L2	**SHZ/6/L2**	SH3L2
Strip marked L3	**SHZ/1/L3**	SH4L3	**SHZ/2/L3**	SH1L3	**SHZ/4/L3**	SH2L3	**SHZ/6/L3**	SH3L3
Strip marked PE	**SHZ/1/PE**	SH4PE	**SHZ/2/PE**	SH1PE	**SHZ/4/PE**	SH2PE	**SHZ/6/PE**	SH3PE
Strip marked PEN	**SHZ/1/PEN**	SH4PEN	**SHZ/2/PEN**	SH1PEN	**SHZ/4/PEN**	SH2PEN	**SHZ/6/PEN**	SH3PEN
Strip marked T1	**SHZ/1/T1**	SH4T1	**SHZ/2/T1**	SH1T1	**SHZ/4/T1**	SH2T1	**SHZ/6/T1**	SH3T1
Strip marked T2	**SHZ/1/T2**	SH4T2	**SHZ/2/T2**	SH1T2	**SHZ/4/T2**	SH2T2	**SHZ/6/T2**	SH3T2
Strip marked T3	**SHZ/1/T3**	SH4T3	**SHZ/2/T3**	SH1T3	**SHZ/4/T3**	SH2T3	**SHZ/6/T3**	SH3T3
Strip marked U1	**SHZ/1/U1**	SH4U1	**SHZ/2/U1**	SH1U1	**SHZ/4/U1**	SH2U1	**SHZ/6/U1**	SH3U1
Strip marked U2	**SHZ/1/U2**	SH4U2	**SHZ/2/U2**	SH1U2	**SHZ/4/U2**	SH2U2	**SHZ/6/U2**	SH3U2
Strip marked U3	**SHZ/1/U3**	SH4U3	**SHZ/2/U3**	SH1U3	**SHZ/4/U3**	SH2U3	**SHZ/6/U3**	SH3U3
Strip marked V1	**SHZ/1/V1**	SH4V1	**SHZ/2/V1**	SH1V1	**SHZ/4/V1**	SH2V1	**SHZ/6/V1**	SH3V1
Strip marked V2	**SHZ/1/V2**	SH4V2	**SHZ/2/V2**	SH1V2	**SHZ/4/V2**	SH2V2	**SHZ/6/V2**	SH3V2
Strip marked W1	**SHZ/1/W1**	SH4W1	**SHZ/2/W1**	SH1W1	**SHZ/4/W1**	SH2W1	**SHZ/6/W1**	SH3W1
Strip marked W2	**SHZ/1/W2**	SH4W2	**SHZ/2/W2**	SH1W2	**SHZ/4/W2**	SH2W2	**SHZ/6/W2**	SH3W2
Strip marked =	**SHZ/1/G1**	SH4G1	**SHZ/2/G1**	SH1G1	**SHZ/4/G1**	SH2G1	**SHZ/6/G1**	SH3G1
Strip marked +	**SHZ/1/G2**	SH4G2	**SHZ/2/G2**	SH1G2	**SHZ/4/G2**	SH2G2	**SHZ/6/G2**	SH3G2
Strip marked -	**SHZ/1/G3**	SH4G3	**SHZ/2/G3**	SH1G3	**SHZ/4/G3**	SH2G3	**SHZ/6/G3**	SH3G3
Strip marked ~	**SHZ/1/G4**	SH4G4	**SHZ/2/G4**	SH1G4	**SHZ/4/G4**	SH2G4	**SHZ/6/G4**	SH3G4
Strip marked ⏚	**SHZ/1/G5**	SH4G5	**SHZ/2/G5**	SH1G5	**SHZ/4/G5**	SH2G5	**SHZ/6/G5**	SH3G5
Strip marked ⏚	**SHZ/1/G6**	SH4G6	**SHZ/2/G6**	SH1G6	**SHZ/4/G6**	SH2G6	**SHZ/6/G6**	SH3G6
Strip marked ÷	**SHZ/1/G7**	SH4G7	**SHZ/2/G7**	SH1G7	**SHZ/4/G7**	SH2G7	**SHZ/6/G7**	SH3G7
Strip marked /	**SHZ/1/G8**	SH4G8	**SHZ/2/G8**	SH1G8	**SHZ/4/G8**	SH2G8	**SHZ/6/G8**	SH3G8
Strip marked (	**SHZ/1/G9**	SH4G9	**SHZ/2/G9**	SH1G9	**SHZ/4/G9**	SH2G9	**SHZ/6/G9**	SH3G9

SHZ numbering strips can be mounted on the sides of the terminal block or in the appropriate housings provided in the upper part of the terminal block itself.

(*) for availability, please contact our Sales department

Specific accessories

Short circuit plates

SCB/6/PO/2 Cat. No. **SB203**

Short circuit plate for two adjacent SCB.6 terminal blocks

SCB/6/PO/4 Cat. No. **SB204**

Short circuit plate for four adjacent SCB.6 terminal blocks

Allow the simultaneous earth connection of current transformers already connected to SCB.4, SCB.6 or SCX.10 terminal blocks.
They are made up of special plates and sleeves guaranteeing the correct operational sequence.
The plates, in the open position, avoid the translation movement of slide-links, preventing the disconnection of current circuits.

HSCB/6/PO/2 Cat. No. **HB203**

Short circuit plate for two adjacent HSCB.6 terminal blocks

HSCB/6/PO/4 Cat. No. **HB204**

Short circuit plate for four adjacent HSCB.6 terminal blocks

SCB/4/PO/2 Cat. No. **SB303**

Short circuit plate for two adjacent SCB.4 terminal blocks

SCB/4/PO/4 Cat. No. **SB304**

Short circuit plate for four adjacent SCB.4 terminal blocks

SCX/PO/2 Cat. No. **SC103**

Short circuit plate for two adjacent SCX.10 terminal blocks

SCX/PO/4 Cat. No. **SC104**

Short circuit plate for four adjacent SCX.10 terminal blocks

(*) supplied assembled as in position A. In order to be inserted into the slot of the plate, it must be dismounted as in position B, then reassembled and screwed into the body of the terminal block.

Short circuit screws and sleeves

SCB/6/CPM Cat. No. **SB205**

Sleeve to be used with SCB/6/PO link

HSCB.6/CPM Cat. No. **HB205**

Sleeve to be used with HSCB/6/PO link

SCB/4/CPM Cat. No. **SB305**

Sleeve to be used with SCB/4/PO link

SCX/CPM Cat. No. **SC105**

Sleeve to be used with SCX/PO link (*)

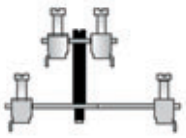
Internal/external cross-connection devices

FVS/VCI Cat. No. **FV107**

Screw and sleeve to perform the internal link between the front and back conducting bodies of FVS.4 terminal block.

FVS/VCE Cat. No. **FV108**

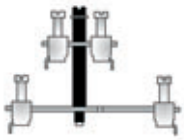
Screw and sleeve to perform the internal and external link between the front and back conducting bodies of FVS.4 terminal blocks.



DAS/VCI
internal cross-connection

DAS/VCI Cat. No. **DS107**

Screw and sleeve to perform the internal link between the front and back conducting bodies of DAS.4 terminal blocks.



DAS/VCE
internal + adjoining front-cross connection

DAS/VCE Cat. No. **DS108**

Screw and sleeve to perform the internal link between front and back conducting bodies or to externally link the conducting bodies of adjacent terminal blocks, of DAS.4 terminal blocks.

Conducting elements

CO/5 Cat. No. **VL103**

Ø 5 x 20 mm - in brass for terminal block types:
SFO.4 - SFR.4 - SFR.6/M - FLD.10/F5 - HMF.4 - VLM.10

SFC/CO Cat. No. **FC102**

Ø 6,3 x 32 mm - in brass for terminal block types:
FPC.10 - SFC.10 - SFR.6 - with the option of inserting an SDD/2 test plug

Terminal blocks suited for Ø 5 x 20 mm or Ø 6 x 32 mm fuses can be used as simple disconnection blocks by inserting special **conducting elements**.

Screening lug

CBD/SH Cat. No. **CB009**

For the connection of the cable shielding - to be used on terminal blocks type CBD.2, 4, 6, 10.

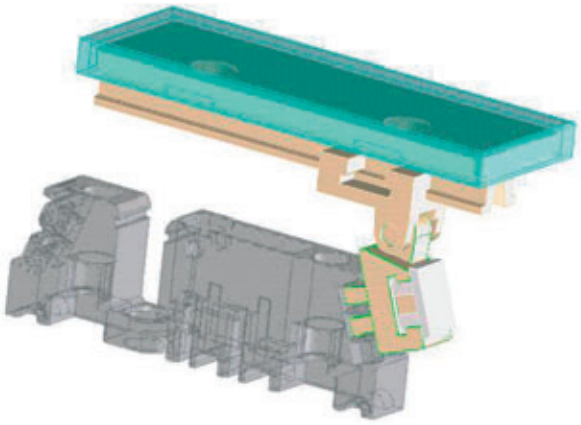
TIM identification plate

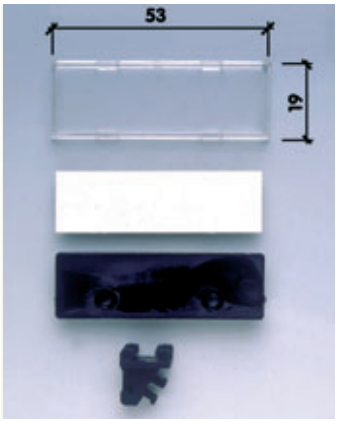
Cat.No. **TIM02**

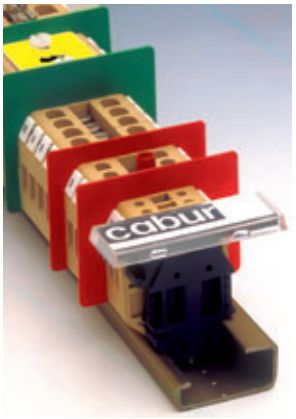
Identification plates for groups of terminal blocks

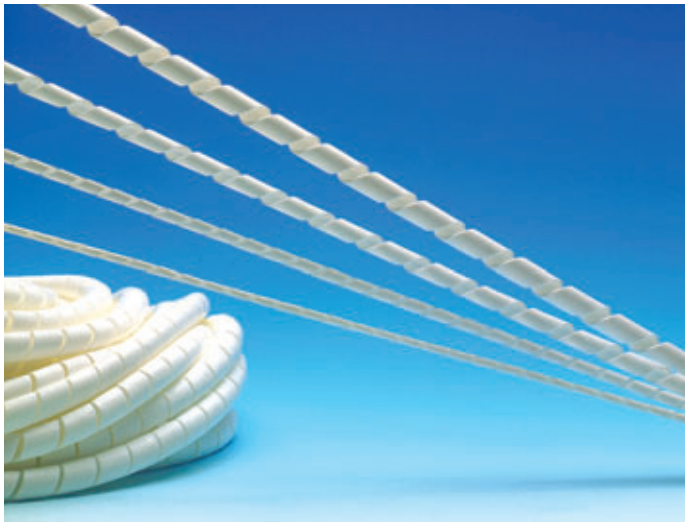
supplied with blank tag and transparent cover

The special support, to be inserted in the tag-holders of the terminal blocks and of end brackets type: BT/DIN/PO-BT/3-BTU, allows optimal positioning of the tag itself.









TSA cable bindings

to be discontinued

For the rapid wiring of conductors; in self-extinguishing polyamide, available in the following sizes:

TSA/3	int. Ø = 1,5 mm - ext. Ø = 3,5 mm	Cat. No. **TSA03**
TSA/6	int. Ø = 4 mm - ext. Ø = 6 mm	Cat. No. **TSA06**
TSA/10	int. Ø = 8 mm - ext. Ø = 10 mm	Cat. No. **TSA10**
TSA/12	int. Ø = 9,5 mm - ext. Ø = 12 mm	Cat. No. **TSA12**

CB/CTL pens for hand-written labelling

Fine, water-resistant, black and red, suitable for marking CNU blank tags and SNZ strips.

Cat. No. **CT004 - black**
Cat. No. **CT006 - red**

Screwdrivers and pliers

Screwdrivers for the activation of the spring on **H** series terminal blocks

CCH/2,5-4

Cat. No. **CCH02**

blade	0,5 x 3 x 80 mm
length	160 mm

CCH/6

Cat. No. **CCH06**

blade	1 x 5,5 x 125 mm
length	220 mm

Screwdrivers insulated for voltages up to 1000 V

CCV/2,5

Cat. No. **CCV03**

blade	0,4 x 2,5 x 75 mm
length	160 mm

CCV/4

Cat. No. **CCV04**

blade	0,8 x 4 x 100 mm
length	195 mm

CCV/5

Cat. No. **CCV05**

blade	1 x 5,5 x 125 mm
length	220 mm

1000 V

The ergonomic shape of the handle guarantees comfort during all types of use. Furthermore, each handle has slip-proof rubber inserts, in light colour, to ensure a good grip on the tool.

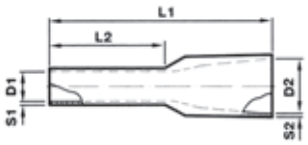
Crimping pliers

This tool has been designed for plant engineering. The parallel movement of the matrices generates a 10000 N force. The entire tool is coated with plastic, which makes it ergonomic and comfortable to use.

Type	Cat. No.	Description
UMCT	UMCT3149	Crimping tool
UMPU02510	UMCT3127	Matrix for ferrules from 0.25 to 10 mm²
UMPU1625	UMCT3153	Matrix for ferrules from 16 to 25 mm²
UMPU3550	UMCT3154	Matrix for ferrules from 35 to 50 mm²
UMPI1525	UMCT3129	Matrix for eyelets and spade lugs from 1,5 to 2,5 mm²
UMPI4060	UMCT3128	Matrix for eyelets and spade lugs from 4 to 6 mm²

Ferrules

WP ferrules with insulated collar

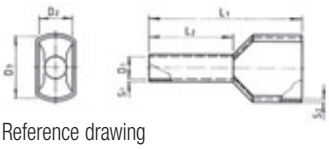


Reference drawing

For cable termination, a complete range of single entry bootlace ferrules is available. In electrolytic tinned copper, with polypropylene insulation.

TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm^2)	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	S1 (mm)	S2 (mm)
WP5-14	WP30002	Ferrule	White	0,5	1,0	2,6	14,0	8,0	0,15	0,25
WP75-14	WP30005	Ferrule	Grey	0,75	1,2	2,8	14,0	8,0	0,15	0,25
WP1-14	WP30009	Ferrule	Red	1,0	1,4	3,0	14,0	8,0	0,15	0,25
WP15-14	WP30013	Ferrule	Black	1,5	1,7	3,5	14,0	8,0	0,15	0,25
WP25-14	WP30016	Ferrule	Blue	2,5	2,2	4,2	14,0	8,0	0,15	0,25
WP40-16	WP30019	Ferrule	Grey	4,0	2,8	4,8	17,0	10,0	0,2	0,3
WP60-20	WP30022	Ferrule	Yellow	6,0	3,5	6,3	20,0	12,0	0,2	0,3
WP100-21	WP30024	Ferrule	Red	10,0	4,5	7,6	22,0	12,0	0,2	0,4
WP160-22	WP30026	Ferrule	Blue	16,0	5,8	8,8	24,0	12,0	0,2	0,4
WP250-29	WP30028	Ferrule	Yellow	25,0	7,3	11,2	30,0	16,0	0,2	0,4
WP350-30	WP30030	Ferrule	Red	35,0	8,3	12,7	30,0	16,0	0,2	0,4
WP500-40	WP30032	Ferrule	Blue	50,0	10,3	15,0	36,0	20,0	0,3	0,5

WPD ferrules with insulated collar – double entry


Reference drawing

Double entry ferrules are made of electrolytic tinned copper and insulation in special polyamide for high temperatures (+ 110 °C).
These ferrules are designed to be used in connections requiring safe and rapid shunting; indeed, current tendencies towards the miniaturisation of electrical circuits provide a valid and economic use for these terminals.
The unique and large entry space comfortably takes the width of two wires.

TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm^2)	DIMENSIONS (mm)						
					D1	D2	D3	L1	L2	S1	S2
WPD05/15	WP90001	Ferrule	White	2,0 x 0,5	1,5	2,5	4,7	15,7	8,7	0,15	0,3
WPD75/15	WP90002	Ferrule	Grey	2,0 x 0,75	1,8	2,8	5,0	15,5	8,9	0,15	0,3
WPD01/15	WP90003	Ferrule	Red	2,0 x 1,0	2,3	3,2	5,5	15,8	8,0	0,15	0,3
WPD15/16	WP90004	Ferrule	Black	2,0 x 1,5	2,3	3,5	6,5	16,0	8,0	0,15	0,3
WPD25/18	WP90005	Ferrule	Blue	2,0 x 2,5	2,9	4,3	7,5	18,3	10,0	0,20	0,4
WPD04/23	WP90006	Ferrule	Grey	2,0 x 4,0	3,8	4,9	8,8	23,3	12,5	0,20	0,4

Eyelets

TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm^2)	PITCH
WPO5030/Y	WPO4001	Eyelet	Yellow	0,5	M3
WPO5035/Y	WPO4002	Eyelet	Yellow	0,5	M3,5
WPO5040/Y	WPO4003	Eyelet	Yellow	0,5	M4
WPO5050/Y	WPO4004	Eyelet	Yellow	0,5	M5
WPO5060/R	WPO4005	Eyelet	Red	0,5	M6
WPO5080/R	WPO4006	Eyelet	Red	0,5	M8
WPO7530/R	WPO4007	Eyelet	Red	0,75	M3
WPO7535/R	WPO4008	Eyelet	Red	0,75	M3,5
WPO7540/R	WPO4009	Eyelet	Red	0,75	M4
WPO7550/R	WPO4010	Eyelet	Red	0,75	M5
WPO7560/R	WPO4011	Eyelet	Red	0,75	M6
WPO7580/R	WPO4012	Eyelet	Red	0,75	M8
WPO10030/R	WPO4013	Eyelet	Red	1,0	M3
WPO10035/R	WPO4014	Eyelet	Red	1,0	M3,5
WPO10040/R	WPO4015	Eyelet	Red	1,0	M4
WPO10050/R	WPO4016	Eyelet	Red	1,0	M5
WPO10060/R	WPO4017	Eyelet	Red	1,0	M6
WPO10080/R	WPO4018	Eyelet	Red	1,0	M8
WPO15030/R	WPO4019	Eyelet	Red	1,5	M3
WPO15035/R	WPO4020	Eyelet	Red	1,5	M3,5
WPO15040R	WPO4021	Eyelet	Red	1,5	M4
WPO15050/R	WPO4022	Eyelet	Red	1,5	M5
WPO150600/R	WPO4023	Eyelet	Red	1,5	M6
WPO15080/R	WPO4024	Eyelet	Red	1,5	M8
WPO150100/R	WPO4025	Eyelet	Red	1,5	M10
WPO25030/B	WPO4026	Eyelet	Blue	2,5	M3
WPO25035/B	WPO4027	Eyelet	Blue	2,5	M3,5M
WPO25040/B	WPO4028	Eyelet	Blue	2,5	M4
WPO25050/B	WPO4029	Eyelet	Blue	2,5	M5
WPO25060/B	WPO4030	Eyelet	Blue	2,5	M6
WPO25080/B	WPO4031	Eyelet	Blue	2,5	M8
WPO250100/B	WPO4032	Eyelet	Blue	2,5	M10
WPO40040/Y	WPO4033	Eyelet	Giallo	4,0	M4
WPO40050/Y	WPO4034	Eyelet	Giallo	4,0	M5
WPO40060/Y	WPO4035	Eyelet	Yellow	4,0	M6
WPO40080/Y	WPO4036	Eyelet	Yellow	4,0	M8
WPO4001000/Y	WPO4037	Eyelet	Yellow	4,0	M10
WPO400120/Y	WPO4038	Eyelet	Yellow	4,0	M12
WPO60040/Y	WPO4039	Eyelet	Yellow	6,0	M4
WPO60050/Y	WPO4040	Eyelet	Yellow	6,0	M5
WPO60060/Y	WPO4041	Eyelet	Yellow	6,0	M6
WPO60080/Y	WPO4042	Eyelet	Yellow	6,0	M8
WPO600100/Y	WPO4043	Eyelet	Yellow	6,0	M10
WPO600120/Y	WPO4044	Eyelet	Yellow	6,0	M12

Spade lugs

TYPE	CAT. NO.	TYPE	COLOUR	CROSS-SECTION (mm^2)	PITCH
WPF5030/R	WPF5001	Spade lug	Red	0,5	M3
WPF5035/R	WPF5002	Spade lug	Red	0,5	M3,5
WPF5040/R	WPF5003	Spade lug	Red	0,5	M4
WPF5050/R	WPF5004	Spade lug	Red	0,5	M4
WPF5060/R	WPF5005	Spade lug	Red	0,5	M6
WPF7530/R	WPF5006	Spade lug	Red	0,75	M3
WPF7535/R	WPF5007	Spade lug	Red	0,75	M3,5
WPF7540/R	WPF5008	Spade lug	Red	0,75	M4
WPF7550/R	WPF5009	Spade lug	Red	0,75	M5
WPF7560/R	WPF5010	Spade lug	Red	0,75	M6
WPF10030/R	WPF5011	Spade lug	Red	1,0	M3
WPF10035/R	WPF5012	Spade lug	Red	1,0	M3,5
WPF10040/R	WPF5013	Spade lug	Red	1,0	M4
WPF10050/R	WPF5014	Spade lug	Red	1,0	M5
WPF10060R	WPF5015	Spade lug	Red	1,0	M5
WPF15030/R	WPF5016	Spade lug	Red	1,5	M3
WPF15035/R	WPF5017	Spade lug	Red	1,5	M3,5
WPF15040/R	WPF5018	Spade lug	Red	1,5	M4
WPF15050/R	WPF5019	Spade lug	Red	1,5	M5
WPF15060/R	WPF5020	Spade lug	Red	1,5	M6
WPF25030/B	WPF5021	Spade lug	Blue	2,5	M3
WPF25035/B	WPF5022	Spade lug	Blue	2,5	M3,5
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Rail assembly composition guide

Upon request, pre-assembled rail assemblies having standard configuration can be supplied on the basis of continual purchases.
For the composition, please use the table below, also valid as a simple offer request.

GENERAL INFORMATION

Company ....

....

Address ....

....

Telephone .... Fax ....

E-mail ....

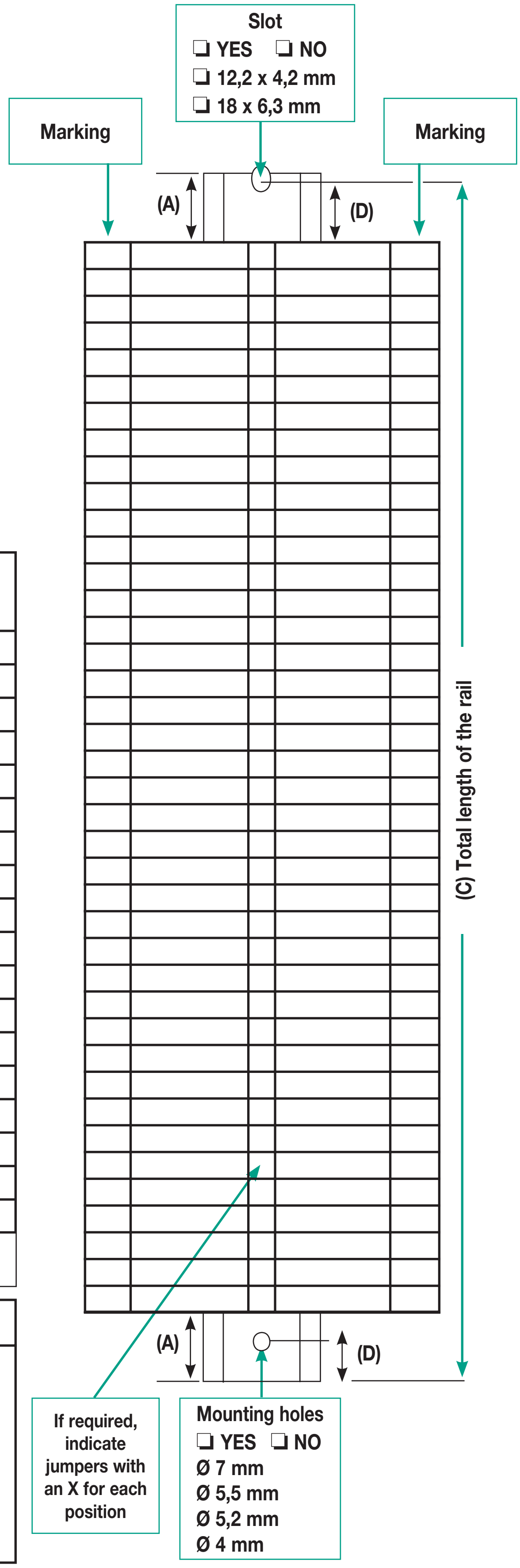
Contact person ....

LIST OF MATERIALS

Type of mounting rail .... Cat. No. ....

Components	Position	Qty.	Total thickness (mm)	Total length (mm)
	(B) Total length (mm)			....

Computing the total length of the rail (c)	
(A) Distance from the rail edge (mm)	....
(B) Total length of components (mm)	....
(C) Total length of mounting rail (mm)	....
(D) Slot or hole centring (mm)	....
No. of rail assemblies required	....
Date of request	....



Please highlight all exact positions for each terminal board and accessory selected, including terminal blocks, partitions, cross connections, assembly tolerances etc. For assistance, please contact Cabur.