cabur

Products and systems for the connection of electrical panels

2017-2018 Edition

UNI EN-ISO 9001

UNI EN-ISO 14001

cabur

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The Company

Founded in 1952, Cabur quickly gained the lead position among national manufacturers of terminal blocks for electrical panels, pursuing a policy which focused particularly on installers' needs and offering cutting-edge technological solutions.

With over 65 years of experience, Cabur develops and creates, based on its own designs, a vast array of products for the electro-technical and electronic industries famous for their reliability even under extreme conditions.

Our current production includes:

- terminal blocks and boards for electrical panels
- electronic products for electrical panels
- terminal blocks for civil and industrial installations
- products for photovoltaic systems
- industrial marking systems

which perfectly meet the various and complex installation needs of users.

Our production, which is wide and diversified, represents the optimal synthesis of Cabur's long experience as a supplier to the main national energy boards and companies, together with activities and collaboration abroad.

In pursuing a corporate culture based on Total Quality, Cabur has adopted the main European directives of the reference market, and collaborates with the most prestigious national and foreign Institutes and Laboratories.

www.cabur.eu

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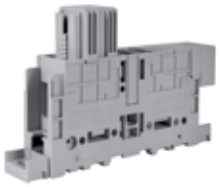
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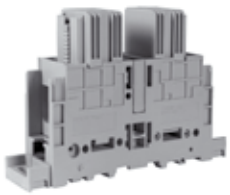
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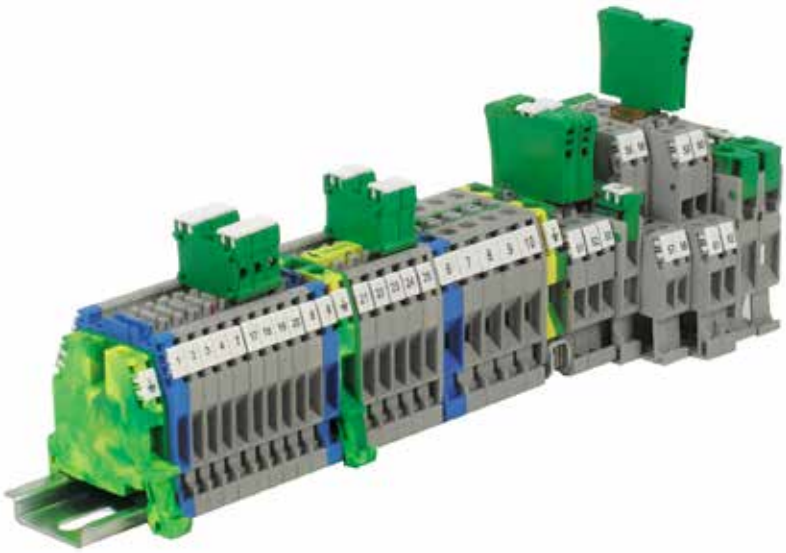
Terminal blocks

CBC Series

- reduced overall dimensions
- double possibility of inserting multi-pole PTC cross connections, with no need for additional insulating covers, thanks to the patented "Easy Bridge" (PTC) system and to the new "Easy Bridge Plus" (PTP)
- mounting on PR/3 rails according IEC 60715, TH/35 type
- available in grey and blue For other available colours refer to the single versions
- nominal voltage 1000 V
- certificate **CESI 08 ATEX 061 U** EX e I M2 / II 2 G D
  temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0002U** Ex e II
- maximum continual operating temperature 100°C

Easy Bridge System

The Cross connection can be supplied in "standard" size, for 2-3-5-10 poles, or in 250-mm-long bars.



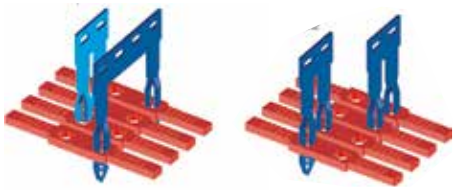
The careful design ensures that the terminal blocks of different sections guarantee visual uniformity in creating the terminal board.

1 2 3 4 5

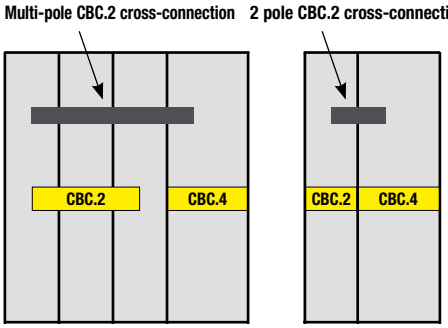
1-2 After cutting the bar for the number of poles necessary, insert the cross connection in the special cavity of the terminal block. At this point working with the tip of a screwdriver, push the cross connection up to the locking point. The cross connection will be completely isolated and intrinsically IPXXB protected.

3-4 After inserting the cross connection, the poles connected can be highlighted with the aid of the green insert, PTC/SP. This accessory is supplied in the standard length of 100 mm and can easily be sliced with the aid of a simple cutter.

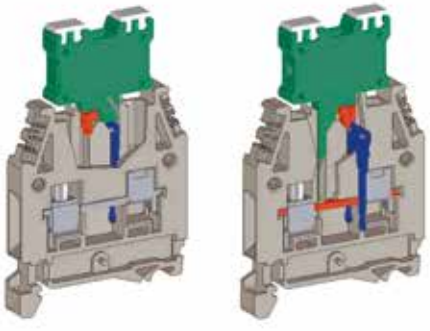
5 To remove the cross connection it is sufficient to remove the PTC/SP insert, insert the tip of the screwdriver in the slot of the cross connection itself, lever it and pull it out.



The "Easy Bridge" connection system guarantees the widest possibility of transversal connection, including offset.

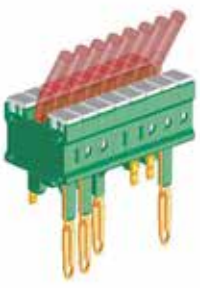


The cross connections can also be used to connect in parallel terminal blocks of the same section with the first of the following unit with a different section.

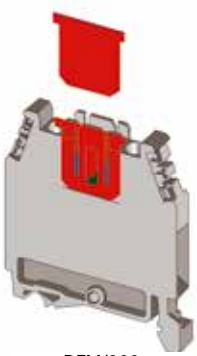


SDC mounted

SDC/P mounted



SDC - SDC/P with conductors



DFM/900

DFM/800

CBC Series

- insulating body UL94V-0
- reduced overall dimensions
- double possibility of inserting multi-pole PTC cross connections, with no need for additional insulating covers, thanks to the patented "Easy Bridge" (PTC) system and to the new "Easy Bridge Plus" (PTP)
- mounting on PR/3 rails according IEC 60715, TH/35 type
- available in grey and blue For other available colours refer to the single versions
- nominal voltage 1000 V
- certificate **CESI 08 ATEX 061 U** EX e (Ex)
  I M2 / II 2 G D
  temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0002U** Ex e II
- maximum continual operating temperature 100°C

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

*The suffix **/GR** identifies the grey version.*
The figures in brackets refer to Ex e application.

For the isolation values with cross connections refer to the table on page 131

grey version	**CBC.2/GR** Cat. No. **CBC02GR**	**CBC.4/GR** Cat. No. **CBC04GR**	**CBC.6/GR** Cat. No. **CBC06GR**
(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 / 32 A (4 mm²) / A3	1000 V / 41 A (6 mm²) / A4	1000 V / 57 A (10 mm²) / 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) / 64 A (10 mm²)
(Ex e) rated voltage ⊔ / ⊔ (V)	500	500	500
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	8 KV / 3
insulation stripping length (mm)	9	10	10
tightening torque value (test / max) (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	cULus, KEMA KEUR, Ex, EAC Ex, Enel DV 27/1	cULus, KEMA KEUR, Ex, EAC Ex, Enel DV 27/1	cULus, KEMA KEUR, Ex, EAC Ex, Enel DV 27/1

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections grey / blue	**CBC.2-10/PT/GR**	CB061GR	**CBC.2-10/PT/GR**	CB061GR	**CBC.2-10/PT/GR**	CB061GR
	CBC.2-10/PT (Ex)i	CBI061	**CBC.2-10/PT (Ex)i**	CBI061	**CBC.2-10/PT (Ex)i**	CBI061
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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** (42 poles)	PTC0400	**PTC/6/00** (31 poles)	PTC0600
Rated current carrying capacity of jumper (same, Ex e version) (A)	**24 / (21)**		**32 / (25)**		**41 / (35)**	
Green PTC	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Switchable cross connection	-		-		-	
Multiple common bar 250 mm	-		-		-	
Shunting screw and sleeve	-		-		-	
Coloured partition red	**DFU/4/R**	DU04R	**DFU/4/R**	DU04R	**DFU/4/R**	DU04R
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	**CNU/8/51**	NU0851	**CNU/8/61**	NU0861	**CNU/8/61**	NU0861
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/8/51**	NU0851	**CNU/8/61**	NU0861	**CNU/8/51**	NU0851
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

PTP Easy Bridge Plus are available also in blue.

CBC Series

- UL94V-0
- reduced overall dimensions
- patented “Easy Bridge” system: double possibility of insertion of multi-pole PTC cross connections, with no need for additional insulating covers
- mounting on PR/3 rails according IEC 60715, TH/35 type
- available in grey and blue
- nominal voltage 1000 V
- certificate **CESI 08 ATEX 061 U** EX e I M2 / II 2 G D
  temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0002U** Ex e II
- maximum continual operating temperature 100°C

*The suffix **/GR** identifies the grey version.*
The figures in brackets refer to Ex e application.

For the isolation figures with cross connections refer to the table on page 131

grey version	**CBC.10/GR** Cat. No. **CBC10GR**	**CBC.16/GR** Cat. No. **CBC16GR**	**CBC.35/GR** Cat. No. **CBC35GR**
(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	16	35
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 / 76 A (16 mm²) / 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)	95 A (16 mm²) / 114 A (25 mm²)	134 A (35 mm²) / 160 A (50 mm²)
(Ex e) rated voltage ⊔ / ⊔ (V)	400	500	630
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	12	15	18
tightening torque value (test / max) (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			
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**CBC.2-10/PT/GR** CB061GR	**CBC.16/PT/GR** CB161GR	**CBC.35/PT/GR** CB351GR
End sections blue	**CBC.2-10/PT (Ex)i** CBI061	**CBC.16/PT (Ex)i** CBI161	**CBC.35/PT (Ex)i** CBI351
Permanent cross connection	**PTC/10/02** poles (*) PTC1002	**POF/53** POF53	**POF/35** POF35
(*): intrinsically IPXXB protected once mounted	**PTC/10/03** poles (*) PTC1003	**(PFX/53)** (PFX53)	**PFX/35** (PFX35)
	PTC/10/05 poles (*) PTC1005		
	PTC/10/10 poles (*) PTC1010		
	PTC/10/00 (25 poles) (*) PTC1000		
Rated current carrying capacity of jumper (same, Ex e version) (A)	**57 / (47)**	(same, Ex e version) **76 / (76)**	(same, Ex e version) **125 / (125)**
Cross-connection identification strip(100 mm) green	**PTC/SP** PTC0990	-	-
Switchable cross connection	-	**POS/53** POS53	-
Multiple common bar 250 mm	-	**PMP/05** 21 poles PMP05	**PMP/35** 16 poles PMP35
Shunting screw and sleeve (same, Ex e version)	-	**CPM/53 (CPX/53)** CPM53 (CPX53)	**CPM/35 (CPX/35)** CPM35 (CPX35)
Coloured partition red	**DFU/4/R** DU04R	**DFU/4/R** DU04R	**DFU/5/R** DU05R
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	-	-	-
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/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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

CBR Series

- UL94V-0
- reduced overall dimensions
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in grey and beige
- maximum continual operating temperature 100°C

*The tag **/GR** identifies the grey version.*

grey version	**CBR.2/GR** Cat. No. **CR110GR**
beige version	**CBR.2** Cat. No. **CR110**
(Ex)i version	**CBR.2(Ex)i** Cat. No. **CI110**
TECHNICAL CHARACTERISTICS	
function/type	distributor 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 / 5.5 lb.in
(Ex e) rated voltage ⊏⊐ / ⌐¬ (V)	-
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	8
tightening torque value (test / max) (Nm)	0.4 / 0.5
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	cULus KEMA KEUR

ACCESSORIES		**Type**	**Cat. No.**
End sections	grey	**CBR/PT/GR**	CR111GR
	beige	**CBR/PT**	CR111
	blue		
Permanent cross connection		**PM/25/2** poles	PM252
		PM/25/3 poles	PM253
		PM/25/5 poles	**PM255**
		PM/25/10 poles	PM250
Rated current carrying capacity of jumper (A)		**24**	
Jumper identification strip (100 mm)		-	PRP05
Switchable cross connection		-	
Multiple common bar	250 mm	**PMP/25**	PMP25
Shunting screw and sleeve		**CPM/25** 50 poles	CPM25
Coloured partition	red, green, white	**DFU/4/R**	DU04R
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		-	
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connection		**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8/51**	NU0851
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BTO for PR/3 only	BT007
		BT/3 for PR/3 only	BT003
		BT/DIN/PO	BT001

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- interlockable with standard M3-type threaded stay bolts
- possible to create parallel connections (GPA.70)
- nominal voltage 1000 V
- maximum continual operating temperature 100°C

version suitable for use in (Ex)i "intrinsic safety" circuits (RAL 5015 blue colour)
GPA.70 (Ex)i code GA410
GPA.95 (Ex)i code GA110

*The suffix **/GR** identifies the grey version.*

grey version	**GPA.70/GR** Cat. No. **GA400GR**	**GPA.95/GR** Cat. No. **GA100GR**
beige version	**GPA.70** Cat. No. **GA400**	**GPA.95** Cat. No. **GA100**
grey panel-mount version	**GPA.70/FIX/GR** Cat. No. **GF400GR**	**GPA.95/FIX/GR** Cat. No. **GF100GR**
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	(mm^2)	70	95
connecting capacity			
flexible	(mm^2)	10 – 95	10 – 95
rigid	(mm^2)	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	600 V / 215 A / 8 AWG str. – 4/0 AWG str. / 79.5 lb.in	600 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

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** 12 poles	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		-		-	
Cover for cross-connection		**PRP/08**	PRP08	-	
Mounting rail support	flat for PR/DIN and PR/3	**ACI121213**	Z121213	**ACI121213**	Z121213
	sloped for PR/DIN and PR/3	**ACI121024**	Z121024	**ACI121024**	Z121024
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
		-		-	
End bracket		**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
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007

GPA Series power terminal blocks

with UL94V-0 polyamide insulating body

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- nominal voltage 1000 V
- possibility of compacting the terminal blocks using M3 threaded stay bolts
- maximum continual operating temperature 100°C

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	**GPA.150/FX/GR** Cat. No. **GF200GR**	**GPA.240/FIX/GR** Cat. No. **GF300GR**
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	(mm^2)	150	240
connecting capacity			
flexible	(mm^2)	50 – 150	95 – 240
rigid	(mm^2)	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	600 V / 309 A / 1/0 AWG str. – 350 MCM str. / 142 lb.in	600 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

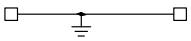
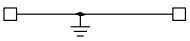
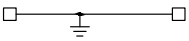
APPROVALS

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		-		-	
Cover for cross-connection		-		-	
Mounting rail support	flat for PR/DIN and PR/3	**ACI121213**	Z121213	**ACI121213**	Z121213
	sloped for PR/DIN and PR/3	**ACI121024**	Z121024	**ACI121024**	Z121024
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
		-		-	
End bracket		**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
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/3-BTO** for PR/3 only	BT003-BT007

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- in 2 yellow / green shells
- same profile and dimensions of the corresponding terminal blocks of the CBC and GPA Series
- maximum continual operating temperature 100°C

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**
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
rated voltage / rated current / gauge conf. to 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 / max) (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
APPROVALS	KEMA KEUR, Enel Distribution DV 27/1, cULus	KEMA KEUR, Enel Distribution DV 27/7	KEMA KEUR, Enel Distribution DV 27/7, Terna LV 27/7

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End section	-		-		-	
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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/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 ⊏⊐	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001	**PR/DIN/AC** of steel	PR001
according to IEC 60715 Std.	**PR/3/AS** same with slots	PR004	**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/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

Taken from CEI EN 60947-7-2 standard

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
"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

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- in 2 yellow / green shells
- same profile and dimensions of the corresponding terminal blocks of the CBC and GPA Series
- maximum continual operating temperature 100°C

version to be mounted onto PR/3 rail	TEC.35/0 Cat. No. T0320	TEC.70/0 Cat. No. T0810
TECHNICAL CHARACTERISTICS		
function/type	earth terminal block	earth terminal block
rated cross-section (mm²)	35	71
connecting capacity		
flexible (mm²)	2.5 – 50	10 – 95
rigid (mm²)	2.5 – 50	10 – 95
max. flexible with ferrule (mm²) - ferrule type	-	-
rated voltage / rated current / gauge conf. to 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 / max) (Nm)	2.5 / 5	6 / 9 (Allen screw, 4 mm wrench)
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	81.5 / 70 / 20.5
APPROVALS	KEMA EUR, Enel Distribution DV 27/7,	KEMA EUR, Terna LV 27/7, Enel Distribution DV 27/7

ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End section	-		-	
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
	-		-	
Numbering strip	-		-	
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

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

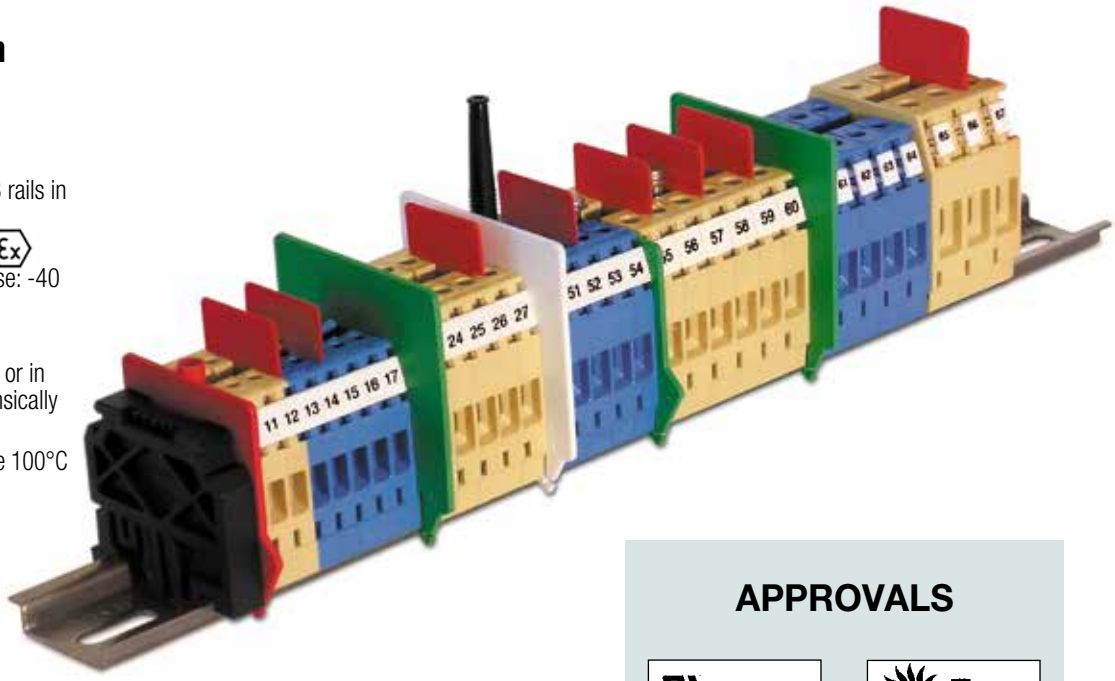
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
"Top hat" rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	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

- behaviour in flame UL94V-0
- universal mounting on PR/DIN and PR/3 rails in accordance with IEC 60715 standard
- certificate **CESI 01 ATEX 090 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0009U** Ex e II
- available in the standard version (beige) or in a version appropriate for use with "intrinsically safe" (Ex)i circuits (blue)
- maximum continual operating temperature 100°C



APPROVALS

UL U.S.A.-Canada

Terna LV 27/1

KEMA - KEUR

CESI ATEX Ex e Italy

Enel DV 27/1

R.I.NA. Italy

The CBD Series comprises eight sizes, distinguished by:
- very small space occupied
- large connecting capacity
- effective current capacity higher than established reference values
- very low contact resistance of the connection
- materials of excellent quality and, consequently, maximum reliability over time
- great practicality of use.

Cabur has always designated each product mainly with a Code, distinguished by a part in letters (generally 3) and a number, with an interposed dot.
This number defines the **rated cross-section** of the terminal in question; which as laid down in the reference Standard is *"the figure, expressed in mm², corresponding to the section of the connectable conductor, declared by the Manufacturer, to which the thermal, mechanical and electrical parameters of the product are referred"*.
The field of use of the terminal block is however much wider and is defined by its **connecting capacity**, that is the range of sections of conductors, both rigid and flexible, minimum and maximum, that the terminal block is capable of connecting, in full observance of all the parameters laid down in the reference Standards.

In the table provided below, in fact, the "classic" code of each terminal block has been supplemented with the addition, after the existing number, which still indicates the nominal size, of a second numeric value (in reduced character size and in red, separated from the first by a /) which represents the size, in mm², of the **maximum flexible conductor effectively connectable to the terminal block**. In the event of use of rigid conductors (with single wire or corded) it is necessary to check also what is stated in the technical specifications of each product, under the item "connecting capacity", because in many cases the size of the maximum rigid conductor connectable is even larger.

Considering precisely the confirmed large connecting capacity, some sizes of the CBD Series have been reconsidered; without changing the eight sizes of the Series, the previous CBD.25 and CBD.35 models have been revised and, after the appropriate actions and all the consequent tests, restated respectively as **CBD.35** and **CBD.50**; this latter size, not considered in the past in the range of Cabur terminal blocks, is instead widely used.

Type	Ratedcross 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:
It is with a screw, on both sides, indirect and self-locking. The clamping screws are accessible only with a special screwdriver and the particular shape of the head makes them impossible to lose. The screw clamping offers the best guarantees of a mechanical seal and of effective passage of the current and is suitable for the connection, with or without special preparation, of conductors of all sections. The tightening and loosening operations are extremely simple and are carried out with commonly-used tools, namely screwdrivers; it is however important, in any case, to use screwdrivers of the right characteristics and dimensions so as not to cause damage either to the screw itself or to the insulating base.

Conducting body:
of the sleeve type, **made entirely of copper-zinc alloy with nickel-plating treatment**; the characteristics of the material used and the manufacturing methods are such as to avoid the phenomenon of possible breakages, known as "seasoning cracks".

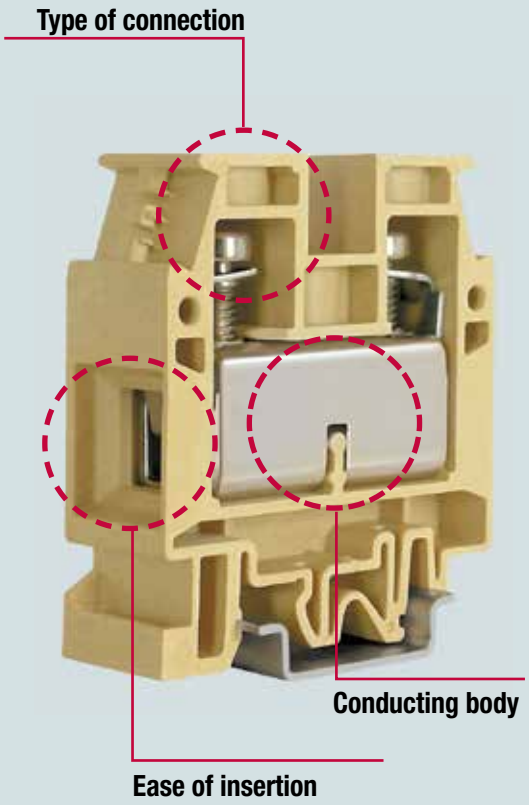
Tightening reliability:
opportune orthogonal ribs, at the bottom of the sleeve and on the lower surface of the clamping platelets, ensure in the various situations perfect electrical contact with the conductors and efficient mechanical locking. The grip on the conductor is made particularly effective by the elastic function performed by the clamping platelet; this, in particular, under the pressure of the screw, tends to bend, thus exercising a reaction applied to the head of the screw itself, which opposes unscrewing, even in the presence of dynamic stresses (vibrations).

Ease of insertion:
Inserting the conductor in the terminal block is facilitated:
- by the inclined invitation surfaces made on the insulating base
- by the rounded shape of the clamping platelet
- by the adequate size of the introduction hole with respect to the the diameter of the maximum insertable conductor. The conductor introduction depth is limited by a barrier fitted on the insulating base.

Other functions:
besides their main function of feed-through terminal blocks, the CBD terminal blocks are designed and made so as to be able to perform other functions. In fact, using a hole made in the upper part of the conducting body it is possible:
- to create a fixed or switchable transversal connection (cross connection) 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 testing.

Marking: all CBD terminal blocks offer the possibility of coding, on both sides, using the CNU/8, SNZ or CSC marking tags (this last system enables the composition of alphanumeric codes up to a maximum of four characters, six with the ADR/6 adapter).

Mounting: the polyamide terminal blocks of the CBD Series are made ready to be mounted indifferently on supporting rails of **G32** or **TH/35** type (IEC 60715 standard), with evident advantages and facilitations in procuring, managing and in general using the product.



SNZ marking


CNU/8 marking


CSC marking


TH/35-7.5 rail

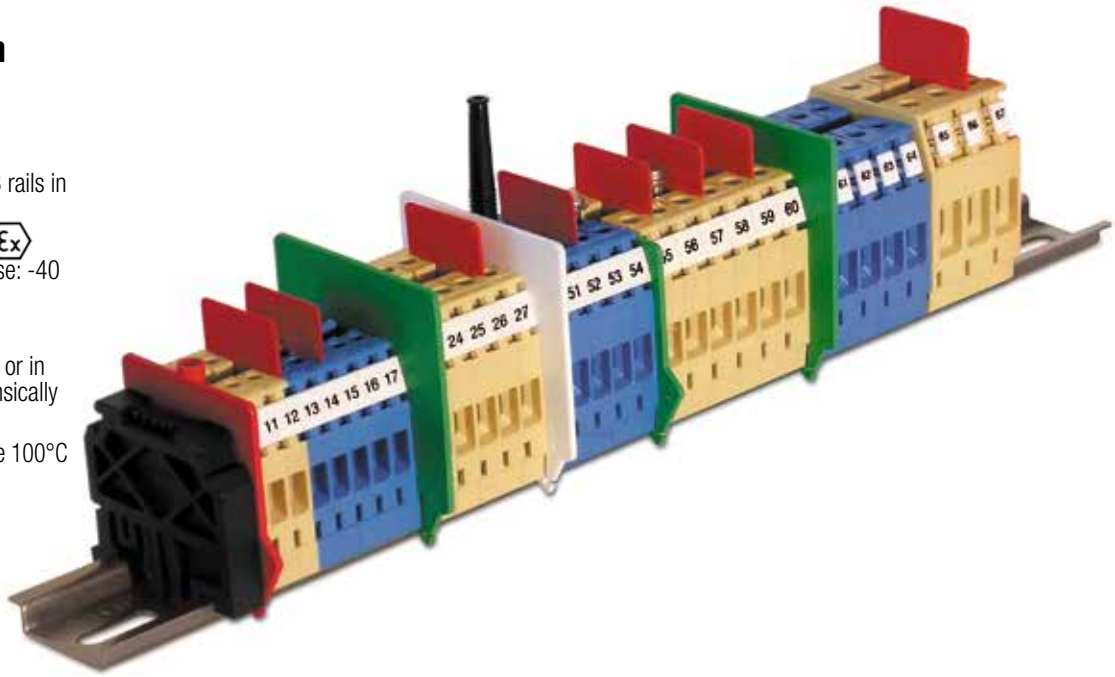

TH/35-15 rail


"G 32"-type rail

CBD Series

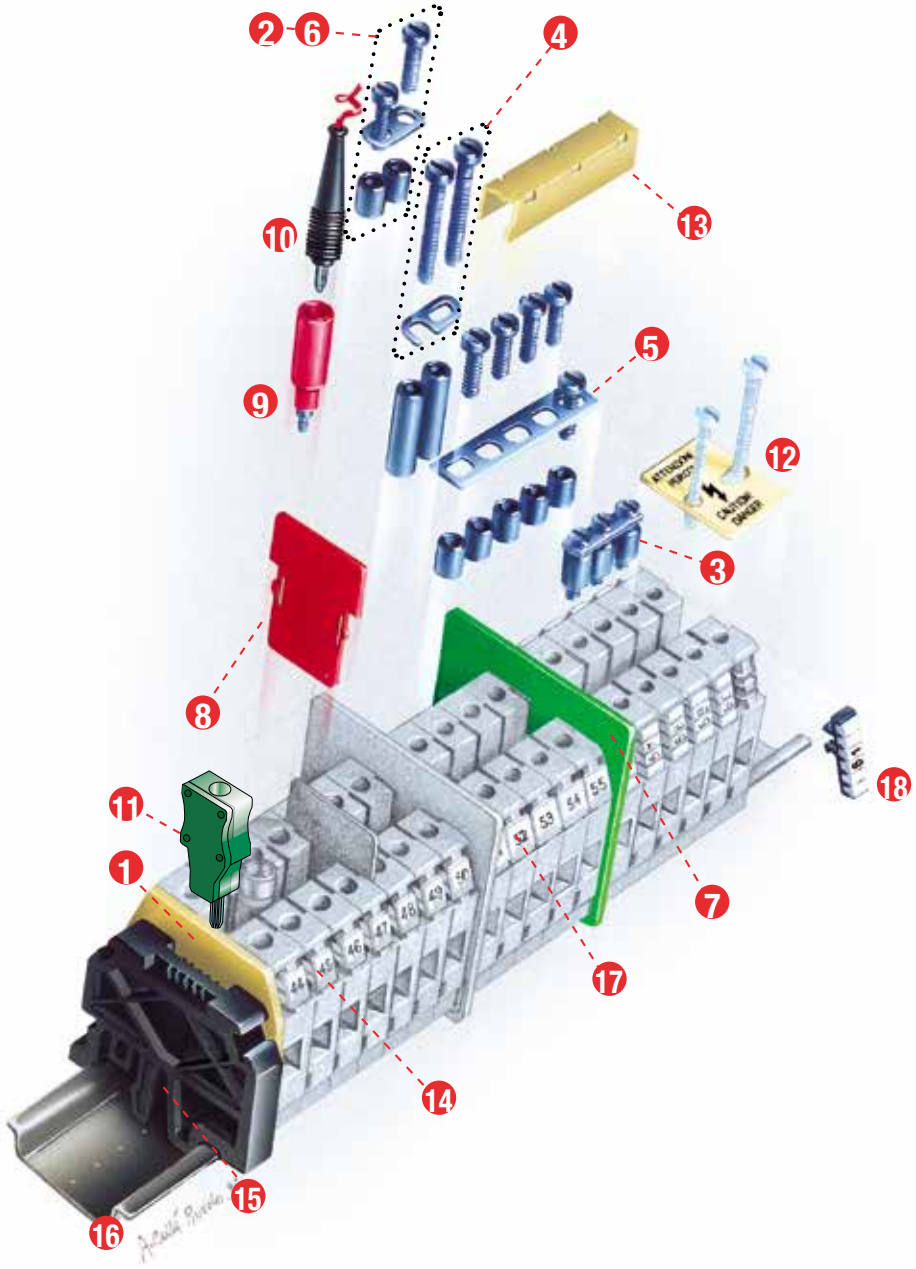
Screw-clamp feed-through terminal blocks

- behaviour in flame UL94V-0
- universal mounting on PR/DIN and PR/3 rails in accordance with IEC 60715 standard
- certificate **CESI 01 ATEX 090 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0009U** Ex e II
- available in the standard version (beige) or in a version appropriate for use with "intrinsically safe" (Ex)i circuits (blue)
- maximum continual operating temperature 100°C



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

- UL94V-0
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- certificate **CESI 01 ATEX 090 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0009U** Ex e II
- available in the standard version (beige) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum continual operating temperature 100°C

(*): 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

standard 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			0.5 – 10
flexible (mm²)	0.5 – 4	0.5 – 6	0.5 – 10
rigid (mm²)	0.5 – 4	0.5 – 6	6 - WP60/20
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	690 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 / 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)	400 V / 630 V	500 V / 630 V	500 V / 630 V
rated impulse withstand voltage / pollution degree	8 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	13	14	14
tightening torque value (test / max) (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			
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 (same, Ex e version) (A)	**24 / (24)**	**32 / (32)**	**41 / (41)**
Switchable cross connection	**POS/11** POS11	**POS/42** POS42	**POS/93** POS93
Multiple common bar 250 mm	**PMP/01** /45 poles PMP01	**PMP/42** /38 poles PMP42	**PMP/13** /31 poles 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	**DFU/1/R** DU01R	**DFU/4/R** DU04R	**DFU/4/R** DU04R
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	-	-	-
Warning plate on adjacent terminal blocks	**TQM/02** on 4 TQM02	**TTM/12** on 3 and on 4 TTM12	**TTM/15** on 3 TTM15
	-	-	**TQM/15** on 4 TQM15
Cover for cross-connection	**PRP/6** PRP06	**PRP/6** PRP06	**PRP/7** PRP07
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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
Screening lug	**CBD/SH** (***) CB009	**CBD/SH** (***) CB009	**CBD/SH** (***) CB009

CBD Series

- UL94V-0
- universal mounting for both PR/DIN and PR/3 rails which meet the IEC 60715 standard, “G32” and TH/35 types
- certificate **CESI 01 ATEX 090 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0009U** Ex e II
- available in the standard version (beige) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum continual operating temperature 100°C

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

standard 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	1000 V / 57 A / B6	1000 V / 76 A / B7	1000 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	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	14	18	20
tightening torque value (test / max) (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
APPROVALS			
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	**POF/44 (PFX/44)** POF44 (PFX44)	**POF/06 (PFX/06)** POF06 (PFX06)
	PM/10/3 poles (pre-assembled) PM103	(same, Ex e version)	(same, Ex e version)
	PM/10/5 poles (pre-assembled) PM105		
	PM/10/10 poles (pre-assembled) PM100		
Rated current carrying capacity of jumper (same, Ex e version) (A)	**57 / (57)**	**76 / (76)**	**125 / (125)**
Switchable cross connection	**POS/44** POS44	**POS/44** POS44	**POS/66** POS66
Multiple common bar 250 mm	**PMP/04** /25 poles PMP04	**PMP/05** /21 poles PMP05	**PMP/06** /16 poles 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	-	-	-
Warning plate on adjacent terminal blocks	**TTM/04** on 3 TTM04	**TUM/05** on 3 and on 4 TUM05	**TUM/06** on 3 and on 4 TUM06
	TQM/04 on 4 TQM04	-	
Cover for cross-connection	**PRP/7** PRP07	**PRP/7** PRP07	**PRP/8** PRP08
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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** in steel PR001	**PR/DIN/AC** in steel PR001	**PR/DIN/AC** in 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	**CBD/SH** (*) CB009	-	-

CBD Series

- UL94V-0
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- certificate **CESI 01 ATEX 090 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0009U** Ex e II
- available in standard beige and grey version or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum continual operating temperature 100°C

(*): 150 A factory wiring only

standard version	**CBD.50** Cat. No. **CB710**	**CBD.70** Cat. No. **CB810**
grey version	**CBD.50/GR** Cat. No. **CB710GR**	**CBD.70/GR** Cat. No. **CB810GR**
(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	1000 V / 150 A / B9	1000 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	12 KV / 3	12 KV / 3
insulation stripping length (mm)	22	26
tightening torque value (test / max) (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
grey	**CB50/PT/GR** CB711GR	**CB70/PT/GR** CB811GR
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 (same, Ex e version) (A)	**150 / (150)**	**192 / (155)**
Switchable cross connection	**POS/77** POS77	**POS/08** POS08
Multiple common bar 250 mm	**PMP/07** /14 poles PMP07	**PMP/08** /12 poles 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/8/51** NU0851	**CNU/8/51** NU0851
	-	-
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** in steel PR001	**PR/DIN/AC** in 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

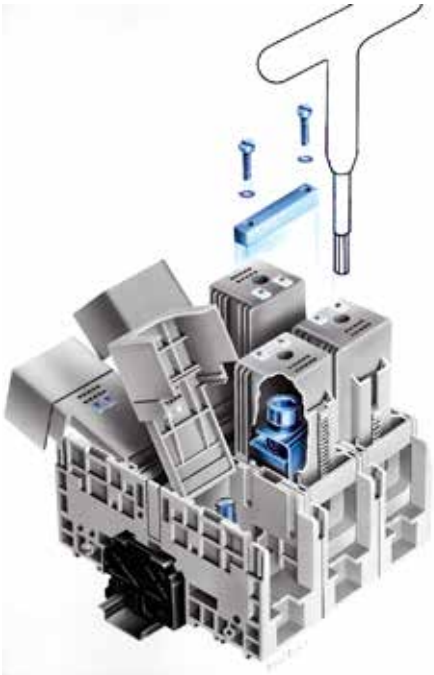
with polyamide insulating body

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- nominal voltage 1000 V
- panel mount version
- possibility of parallel cross connection
- available in the /BB (bar-bar), /BC (bar-cable), /CC (cable-cable) versions
- available in grey and beige
- **CESI 13 ATEX 038U** certificate
  I M2 Ex e I Mb
  II 2G Ex e IIC Gb temperature range of use -40 – +80°C
- **CoC IEC Ex CES 13.0012U**
- maximum continual operating temperature 100°C

Tightening reliability: the reliability of the connection (wire terminal or bar) is guaranteed by a screw and locking nut, with the interposition of a flat washer and an elastic washer, useful above all for countering the effects of the dynamic stresses. In the versions made ready for clamping of the conductors, without preparation. The reliability of the connection is ensured by the action and the particular wrapping shape of the clamping clip, the elastic reaction of which to the force pressing down on the conductor works as a lock under the head of the clamping screw, stopping it from loosening, even in the presence of vibrations. The conductor bar is also made with an appropriate concave seat so as to increase the grip of the conductors; in addition both the contact surface of the clamping clip and the concave part of the bar feature, along the entire length, crosswise channels that help to improve the connection characteristics, as regards both the mechanical retention of the conductors and the electrical contact, guaranteeing low contact resistances.

- **protection for the "bar" versions:** this protection which in the normal installation conditions has a longitudinal position with respect to the axis of the terminal block, can easily be rotated, using a simple screwdriver (as prescribed by the safety standards).
  In this way it is possible to access the connection unit to be able to work on the wire terminals or on the bars;
- **protection for the "cable" versions:** in this case the protection is fixed and snaps in: its development is orthogonal to the axis of the terminal block and it protects the collar, the clip and the clamping screw. It is worth noting the "shutter" device, fitted on the protection in axis to the terminal block and in line with the conductor introduction hole, which enables, with manual action in maximum conditions of safety, partial or total closing of the hole itself and consequently protection of the live parts, in the case of use of conductors with a much smaller section than the nominal one or cabling of the terminal block from only one side.

Mounting: for these power terminal blocks, owing to the notable dimensions and because they are subject to high stresses due to the forces generated by the conductors, a new hooking system has been studied and created. This enables it to be mounted indifferently on the various types of standard mounting rail (IEC 60715). The terminal block is unhooked simply using a screwdriver, inserted in the special slot provided in the hooking system (yellow part). If the mounting rail itself is installed on a flat wall, the dimensions of the GPM terminal blocks make it indispensable to use flat brackets to space the terminal board from the surface adequately. For each terminal block of the Series the version for direct fixing to a panel (/FIX) is also available.



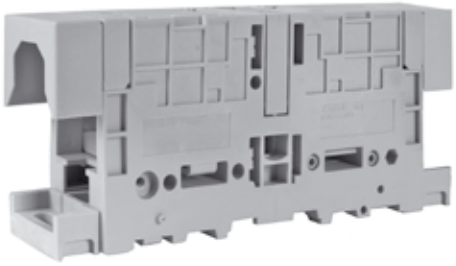
Marking: the GPM terminal blocks enable identification from both sides which can be done with both the CNU/8 (2 elements) and the CSC (up to 5 elements) type marking tags: the two possibilities are not alternatives, but can be combined.

Cross-connection: on this Series of terminal blocks it is also possible to create a cross connection between 2 or 3 adjacent terminal blocks using opportune cross connections; to insert this accessory it is necessary to remove the insulating baffle pre-engraved on the side wall of the insulating body.

GPM Series high current terminal blocks

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- nominal voltage 1000 V
- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection
- available in beige and grey
- **CESI 13 ATEX 038U** certificate
  I M2 Ex e I Mb
  II 2G Ex e IIC Gb temperature range of use -40 ÷ +80°C
- **CoC IEC Ex CES 13.0012U**
- maximum continual operating temperature 100°C

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**
grey version	**GPM.95/BB/GR** Cat. No. **GP100GR**	**GPM.150/BB/GR** Cat. No. **GP400GR**	**GPM.240/BB/GR** Cat. No. **GP700GR**
panel-mount version	**GPM.95/BB/FIX** Cat. No. **GP110**	**GPM.150/BB/FIX** Cat. No. **GP410**	**GPM.240/BB/FIX** Cat. No. **GP710**
panel-mount version	**GPM.95/BB/FIX/GR** Cat. No. **GP110GR**	**GPM.150/BB/FIX/GR** Cat. No. **GP410GR**	**GPM.240/BB/FIX/GR** Cat. No. **GP710GR**

TECHNICAL CHARACTERISTICS			
function/type	feed-through	feed-through	feed-through
rated cross-section (mm²)	95/150	150/240	240/300
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 / 232 A	1000 V / 309 A	1000 V / 415 A
rated voltage / rated current / AWG UL	-	-	-
maximum current	320A	440A	600A
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 (key 17 mm)	14 / 21 (key 19 mm)
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

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	beige	-		-		-	
Permanent cross connection		**POF/95/2** poles	PO952	**PFX/150/2** poles	PX152	**PFX/240/2** poles	PX242
		POF/95/3 poles	PO953	**PFX/150/3** poles	PX153	**PFX/240/3** poles	PX243
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
	sloped for PR/DIN and PR/3	**ACI121024**	Z121024	**ACI121024**	Z121024	**ACI121024**	Z121024
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
		-		-		-	
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

GPM Series high current terminal blocks

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- nominal voltage 1000 V
- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection
- available in beige
- maximum continual operating temperature 100°C

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 with covers	**GPM.95/C/BB** Cat. No. **GP125**	**GPM.150/C/BB** Cat. No. **GP425**	**GPM.240/C/BB** Cat. No. **GP725**
standard version without covers	**GPM.95/O/BB** Cat. No. **GP120**	**GPM.150/O/BB** Cat. No. **GP420**	**GPM.240/O/BB** Cat. No. **GP720**
panel-mount version with covers	**GPM.95/C/BB/FIX** Cat. No. **GP135**	**GPM.150/C/BB/FIX** Cat. No. **GP435**	**GPM.240/C/BB/FIX** Cat. No. **GP735**
panel-mount version without covers	**GPM.95/O/BB/FIX** Cat. No. **GP130**	**GPM.150/O/BB/FIX** Cat. No. **GP430**	**GPM.240/O/BB/FIX** Cat. No. **GP730**

TECHNICAL CHARACTERISTICS			
function/type	feed-through	feed-through	feed-through
rated cross-section (mm²)	95	150	240/300
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 / 232 A	1000 V / 309 A	1000 V / 415 A
rated voltage / rated current / AWG UL	-	-	-
maximum current	248 A	365 A	530 A
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 (key 17 mm)	14 / 21 (key 19 mm)
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, Terna LV 27/7	KEMA KEUR, Terna LV 27/7	KEMA KEUR, Terna LV 27/7

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	beige	-		-		-	
Permanent cross connection		**POF/95/2** poles	PO952	**PFX/150/2** poles	PX152	**PFX/240/2** poles	PX242
		POF/95/3 poles	PO953	**PFX/150/3** poles	PX153	**PFX/240/3** poles	PX243
		-		-		-	
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
	sloped for PR/DIN and PR/3	**ACI121024**	Z121024	**ACI121024**	Z121024	**ACI121024**	Z121024
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
		-		-		-	
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

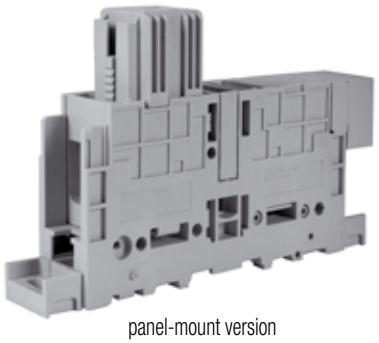
GPM Series high current terminal blocks

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- nominal voltage 1000 V
- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection
- available in beige and grey
- **CESI 13 ATEX 038U** certificate

  I M2 Ex e I Mb

  II 2G Ex e IIC Gb temperature range of use -40 – +80°C
- **CoC IEC Ex CES 13.0012U**
- maximum continual operating temperature 100°C

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**
grey version		**GPM.95/BC/GR** Cat. No. **GP200GR**	**GPM.150/BC/GR** Cat. No. **GP500GR**	**GPM.240/BC/GR** Cat. No. **GP800GR**
panel-mount version		**GPM.95/BC/FIX** Cat. No. **GP210**	**GPM.150/BC/FIX** Cat. No. **GP510**	**GPM.150/BC/FIX** Cat. No. **GP810**
panel-mount version		**GPM.95/BC/FIX/GR** Cat. No. **GP210GR**	**GPM.150/BC/FIX/GR** Cat. No. **GP510GR**	**GPM.240/BC/FIX/GR** Cat. No. **GP810GR**
TECHNICAL CHARACTERISTICS				
function/type		feed-through	feed-through	feed-through
rated cross-section	(mm²)	95/150	150/240	240/300
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 / 232 A / B12	1000 V / 309 A / B14	1000 V / 415 A / B16
rated voltage / rated current / AWG	UL	-	-	-
maximum current		320A	440A	600A
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 (key 17 mm)	14 / 21 (key 19 mm)
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, Ex, Terna LV 27/7, EAC Ex	KEMA KEUR, Ex, Terna LV 27/7, EAC Ex	KEMA KEUR, Ex, Terna LV 27/7, EAC Ex
ACCESSORIES		**Type** **Cat. No.**	**Type** **Cat. No.**	**Type** **Cat. No.**
End sections	beige	-	-	-
Permanent cross connection		**POF/95/2** poles PO952 **POF/95/3** poles PO953 -	**PFX/150/2** poles PX152 **PFX/150/3** poles PX153 -	**PFX/240/2** poles PX242 **PFX/240/3** poles PX243 -
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 sloped for PR/DIN and PR/3	**ACI121213** Z121213 **ACI121024** Z121024	**ACI121213** Z121213 **ACI121024** Z121024	**ACI121213** Z121213 **ACI121024** Z121024
Marking tag	printed or blank	**CNU/8/51** NU0851 -	**CNU/8/51** NU0851 -	**CNU/8/51** NU0851 -
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

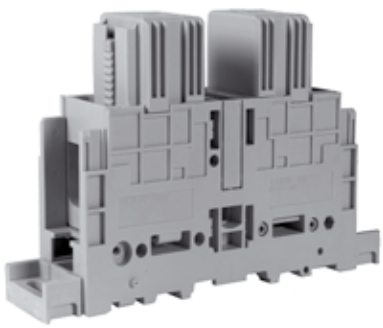
GPM Series high current terminal blocks

- mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- nominal voltage 1000 V
- panel mount version - M6 screws (recommended with screwdriver and washer slot)
- possibility of parallel cross connection
- available in beige RAL 1001
- **CESI 13 ATEX 038U** certificate

  I M2 Ex e I Mb

  II 2G Ex e IIC Gb temperature range of use -40 – +80°C
- **CoC IEC Ex CES 13.0012U**
- maximum continual operating temperature 100°C

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**
grey version		**GPM.95/CC/GR** Cat. No. **GP300GR**	**GPM.150/CC/GR** Cat. No. **GP600GR**	**GPM.240/CC/GR** Cat. No. **GP900GR**
panel-mount version		**GPM.95/CC/FIX** Cat. No. **GP310**	**GPM.150/CC/FIX** Cat. No. **GP610**	**GPM.240/CC/FIX** Cat. No. **GP910**
panel-mount version		**GPM.95/CC/FIX/GR** Cat. No. **GP310GR**	**GPM.150/CC/FIX/GR** Cat. No. **GP610GR**	**GPM.240/CC/FIX/GR** Cat. No. **GP910GR**
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 / 232 A / B12	1000 V / 309 A / B14	1000 V / 415 A / B16
rated voltage / rated current / AWG	UL	-	-	-
maximum current		320A	440A	600A
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				
ACCESSORIES		**Type** **Cat. No.**	**Type** **Cat. No.**	**Type** **Cat. No.**
End sections	beige	-	-	-
Permanent cross connection		**POF/95/2** poles PO952 **POF/95/3** poles PO953 -	**PFX/150/2** poles PX152 **PFX/150/3** poles PX153 -	**PFX/240/2** poles PX242 **PFX/240/3** poles PX243 -
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 sloped for PR/DIN and PR/3	**ACI121213** Z121213 **ACI121024** Z121024	**ACI121213** Z121213 **ACI121024** Z121024	**ACI121213** Z121213 **ACI121024** Z121024
Marking tag	printed or blank	**CNU/8/51** NU0851 -	**CNU/8/51** NU0851 -	**CNU/8/51** NU0851 -
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

ACB Series high current terminal blocks

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- available in beige
- maximum continual operating temperature 100°C

(*) 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.

standard 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 (key 10 mm)	- / 6 (key 13 mm)	- / 14 (key 19 mm)
tightening torque value / cable (**) (Nm)	-	-	-
height / width / thickness at G32	45 / 90 / 35	46 / 100 / 35	47 / 120 / 35

APPROVALS

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**	AC705
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/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
	-		-		-	
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
	-		-		-	

Protection: ACB terminal blocks can be protected against direct and/or accidental contacts by means of specific **PRT** covers of different sizes: Small, Medium or Large in transparent and self-extinguishing material. These covers, with a fixed length of 200 mm, correspond to the width of four terminal blocks side-by-side and inserted on **SPS** supports, also made of self-extinguishing material, which enable the protection of one of the two connections of the terminal blocks; the complete protection of the terminal board is obtained using two covers, overlappable.

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

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

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

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

The **PRT/G** is to be used when the conductors come from the backboard, or in order to protect a connection point not yet connected.

MBL Series stud-type terminal blocks

- stud connection, for cable lugs
- mounted onto PR/DIN profiles conforming to IEC 60715 standards, “G32” type
- available in beige
- maximum continual operating temperature 100°C

standard 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 conf. to 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
maximumconnectable 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/8/51**	NU0851	**CNU/8/51**	NU0851
	-		-	
End bracket	**CDA/BT**	CD003	**CDA/BT**	CD003
	-		-	
	-		-	

Stud terminal blocks for the terminal wire or bar strain clamp with max. width 30 mm, to be mounted on PR/DIN mounting rail. It is advisable to use **DUS/1** or **DUS/3** barriers to guarantee the insulation distance between different phases.

If accident prevention cover of the terminal board becomes necessary, the insulation function would be performed by the **SPS/5** supports of the cover itself.

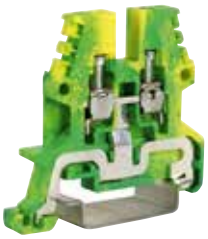
MBL Series stud-type terminal blocks

- stud connection, for cable lugs
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., “G32” type
- available in beige
- maximum continual operating temperature 100°C

standard 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 (mm²)	120	150
connecting capacity		
flexible (mm²)	30 – 120	30 – 150
rigid (mm²)	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 conf. to 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
maximumconnectable 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/8/51**	NU0851	**CNU/8/51**	NU0851
		-		-	
End bracket		**CDA/BT**	CD003	**CDA/BT**	CD003
		-		-	
		-		-	

Earth terminal blocks



- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 and "G32" type
- in a single yellow/green shell
- certificate **CESI 02 ATEX 061 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0010U** Ex e II
- maximum continual operating temperature 100°C

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

version to be mounted onto PR/3 rail	**TEO.2** Cat. No. **T0910**	**CBE.2** Cat. No. **CE110**	**TEO.4** Cat. No. **T0430**
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 / max) (Nm)	0.4 / 0.8	0.4 / 0.5	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			
ACCESSORIES			
End section green	**TEO.2/PT** T0911	**CBR/PT** CR111	**TEO.4/PT** T0431
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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/3-BTO** for PR/3 only BT003-BT007
		BT/DIN/PO for PR/DIN only BT001	

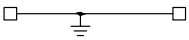
MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

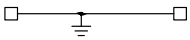
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
"Top hat" rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
"Top hat" rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232

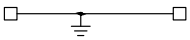
Earth terminal blocks

- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- mounted onto PR/DIN profiles conforming to IEC 60715 standards, “G32” type
- in two yellow/green shells
- certificate **CESI 02 ATEX 061 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0010U** Ex e II
- maximum continual operating temperature 100°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 / 13.3 lb.in	- / - / 20-8 AWG Str. / 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)	10	12	13
tightening torque value (test / max)	(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

ACCESSORIES

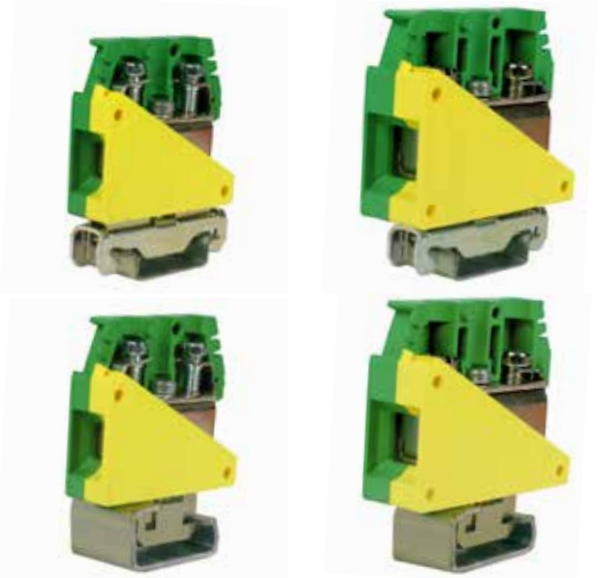
		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End section	green	**TE0.4/PT**	T0431	-		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
Numbering strip		-		-		-	
End bracket		-		-		-	
		BTU for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005	**BTU** for PR/DIN and PR/3	BT005
		BT/3-BTO for PR/3 only	BT003-BT007	**BT/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

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 mounting 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

Earth terminal blocks

- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- mounted onto PR/DIN profiles conforming to IEC 60715 standards, “G32” type
- in two yellow/green shells
- certificate **CESI 02 ATEX 061 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 09.0010U** Ex e II
- maximum continual operating temperature 100°C



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

TECHNICAL CHARACTERISTICS

function/type		earth	earth
rated cross-section	(mm²)	16	50
connecting capacity			
flexible	(mm²)	0.5 – 25	1.5 – 50
rigid	(mm²)	0.5 – 25	1 – 70
max. flexible with ferrule (mm²) - ferrule type		16 - WP160/22	50 - WP500/40
rated voltage / rated current / gauge	conf. to IEC 60947-7-1	- / 76 A / B7	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value	UL	- / - / 20-3 AWG / 13.3 lb.in	- / - / 16-1 AWG / 33.2 lb.in
(Ex e) rated voltage ⊏ / ⌣	(V)	-	-
rated impulse withstand voltage / pollution degree		8 KV / 3	8 KV / 3
insulation stripping length	(mm)	13	17
tightening torque value (test / max)	(Nm)	1.8 / 3	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

APPROVALS

ACCESSORIES

		Type	**Cat. No.**	**Type**	**Cat. No.**
End section	green	-		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
Numbering strip		-		-	
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

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

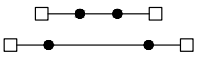
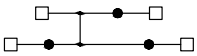
Rail profile	Material	Equivalent E-cu cross-section mm²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
“Top hat” rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
G32 type mounting rail IEC 60715/G32	Steel	35	4.2	-
	Copper	120	14.4	269
	Aluminium	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

Two and three level circuits

- feed-through with 2 levels
- feed-through with 2 levels and internal connection
- available in the standard version (grey and beige) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- mounting on PR/3 rails according IEC 60715, TH/35 type
- certificate **CESI 13 ATEX 038U**
  I M2 Ex e I Mb
  II 2G Ex e IIC Gb
- 100°C maximum continual operating temperature

(*) 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 version.*

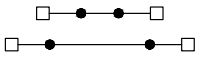
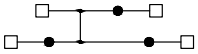
grey version	**DBC.2/GR** Cat. No. **DB100GR**	**DBC.2/CI/GR** Cat. No. **DB117GR**
beige version	**DBC.2** Cat. No. **DB100**	**DBC.2/CI** Cat. No. **DB117**
(Ex)i version	**DBC.2 (Ex)i** Cat. No. **DB200**	
TECHNICAL CHARACTERISTICS		
function/type	2 level feed-through	2 level feed-through with internal 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 / 8 lb.in	600 V / 20 A / 28-12 AWG / 8 lb.in
maximum 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 / max) (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		

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
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
Warning plate on adjacent terminal blocks	-		-	
	-		-	
Cover for cross-connection	-		-	
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

Two and three level circuits

- feed-through with 2 levels
- feed-through with 2 levels and internal connection
- suitable for housing components
- mounting on PR/3 rails according IEC 60715, TH/35 type
- available in grey or in a version appropriate for use with "intrinsically safe" circuits (Ex)i
- terminal block DBC.4 certificate **IMQ 17 ATEX 001 U** Ex e Ⓔx I M2 Ex eb I Mb / II 2 G Ex eb IIc Gb temperature range of use:-40 – +80°C
- **CoC IEC Ex IMQ 17.0001 U**
- four slots for inserting "Easy Bridge" coupling cross connection
- **100°C** maximum continual operating temperature

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

grey version	**DBC.4/GR** Cat. No. **DB400GR**	**DBC.4/CI/GR** Cat. No. **DB417GR**
(Ex)i version	**DBC.4 (Ex)i** Cat. No. **DB500**	**DBC.4/CI (Ex)i** Cat. No. **DB517**
TECHNICAL CHARACTERISTICS		
function/type	2 level feed-through	2 level feed-through 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 / 30 A / 20 -10 AWG / 4.4 lb.in	600 V / 30 A / 20 -10 AWG / 4.4 lb.in
(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 / max) (Nm)	0.5 / 1	0.5 / 1
height / width / thickness ⊔ TH/35 7.5 mm	66 / 70 / 6	66 / 70 / 6
height / width / thickness ⊔ TH/35 15 mm	74 / 70 / 6	74 / 70 / 6
APPROVALS	c UL us, KEMA KEUR, Ex, EAC Ex	c UL us, KEMA KEUR

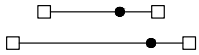
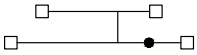
ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**
Grey blue end section	**DBC.4/PT/GR**	DB401GR	**DBC.4/PT/GR**	DB401GR
	DBC.4/PT (Ex)i	DB402	**DBC.4/PT (Ex)i**	DB402
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted)	**PTC/4/02**	PTC0402	**PTC/4/02**	PTC0402
	PTC/4/03	PTC0403	**PTC/4/03**	PTC0403
	PTC/4/05	PTC0405	**PTC/4/05**	PTC0405
	PTC/4/10	PTC0410	**PTC/4/10**	PTC0410
	PTC/4/00	PTC0400	**PTC/4/00**	PTC0400
3-pole rated current carrying capacity of jumper - (applic. Ex e) (A)	**32 (25)**		**32 (25)**	
Cross-connection identification strip	**PTC/SP**	PT0990	**PTC/SP**	PT0990
Coloured partition red	**DFU/7/R**	DU07R	**DFU/7**	DU07R
Cross connection barrier (upper level) red	**DFM/800-DFM/900**	DF800-DF900	**DFM/800-DFM/900**	DF800-DF900
Cross connection barrier (lower level) red	**DFM/500**	DF500	**DFM/500**	DF500
Marking tag pitch mounting	**CNU/10/11**	NU1061	**CNU/10/11**	NU1061
single mounting	**CNU/8/61**	NU0861	**CNU/8/61**	NU0861
	CNU/8/51	NU0851	**CNU/8/51**	NU0851
	CNU/10/51	NU1051	**CNU/10/51**	NU1051
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

Two and three level circuits

- feed-through with 2levels
- feed-through with 2 levels and internal connection
- available in the standard version (beige) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- universal mounting on mounting rails in accordance with IEC 60715 standard
- terminal block DAS.4 certificate **CESI 03 ATEX 162 U** Ex e Ⓔx I M2 / II 2 G D temperature range of use: -40 – +80°C
- **CoC IEC Ex CES 11.0007 U** Ex e II
- maximum continual operating temperature 100°C

- for creating terminal boards in a potentially explosive environment (Ex e) see the indications on page A14

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

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 with internal jumper mounted
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 / 30 A / A4	630 V / 30 A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 20-12 AWG / 8.9 lb.in	600 V / 20 A / 20-12 AWG / 8.9 lb.in
(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 / max) (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	c UL us, Ex, KEMA KEUR, EAC Ex	c UL us, KEMA KEUR

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**
Grey	**DAS/PT/GR**	DS101GR	**DAS/PT/GR**	DS101GR
beige	**DAS/PT**	DS101	**DAS/PT**	DS101
end section	**DAS/PT (Ex)i**	DS201	**DAS/PT (Ex)i**	DS201
blue	**PM/41/2** poles	PM412	**PM/41/2** poles	PM412
Permanent cross connection	**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)	**30**		**30**	
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 (CPX/01)**	CPM01 (CPX01)
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	**CNU/8/61**	NU0861	**CNU/8/61**	NU0861
Shunting screw and sleeve internal jumper	**DAS/VCI**	DS107	-	
internal jumper + external jumper	**DAS/VCE**	DS108	**DAS/VCE**	DS108
Cover for cross-connection	**PRP/5**	PRP05	**PRP/5**	PRP05
Marking tag printed or blank	**CNU/8/61**	NU0861	**CNU/8/61**	NU0861
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

Two and three level circuits

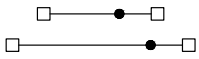
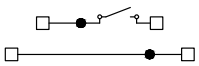
- feed-through with solder lug
- with switchable upper circuit
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in beige and grey
- maximum continual operating temperature 100°C

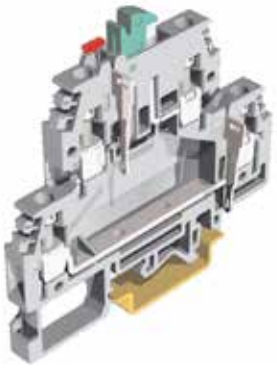
with 2.8 x 0.8 mm solder lugs

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 version.*

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 / 4.4 lb.in
(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 / max) (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	c UL us, KEMA KEUR,	c UL us, KEMA KEUR,



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

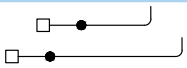
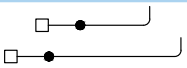
ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	grey	**DAS/PT/GR**	DS101GR	**DSS/PT/GR**	DS301GR
	beige	**DAS/PT**	DS101	**DSS/PT**	DS301
	blue				
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130		**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 (CPX/01)**	CPM01 (CPX01)	-	
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		**CNU/8/61**	NU0861	**CNU/8/61**	NU0861
Fuse		-		-	
Cover for cross-connection		**PRP/5**	PRP05	-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

Two and three level circuits

- with flat plug connections
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in beige and grey
- maximum continual operating temperature 100°C

Flat plug terminals, 6.3 x 0.8 mm, or 2.8 x 0.8 mm, compliant with the IEC 60760 Standard

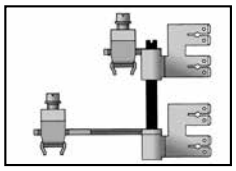
*The **/GR** tag indicates the grey version.*

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 / 8.9 lb.in.	600 V / 20 A / 20-10 AWG / 8.9 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 / max) (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	c UL us, KEMA KEUR	c UL us, KEMA KEUR

ACCESSORIES		**Type**	**Cat. No.**	**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					
Rated current carrying capacity of jumper	(A)	**32**		**32**	
Switchable cross connection		**POS/72**	POS72	**POS/72**	POS72
Multiple common bar	250 mm	**PMP/02**	PMP02	**PMP/02**	PMP02
Shunting screw and sleeve		**CPM/01 (CPX/01)**	CPM01 (CPX01)	**CPM/01 (CPX/01)**	CPM01 (CPX01)
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		-		-	
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/8/51**	NU0851	**CNU/8/51**	NU0851
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

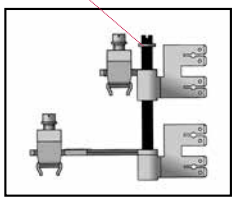
FVS/VCI - Cat. No. FV107
Shunting screws and sleeves for internal connection between the front and rear conducting bodies of terminal block type FVS.4

FVS/VCE - Code FV108
Screw and sleeve which, besides the internal connection, creates, using the PMP common bar, parallel between contiguous terminal blocks

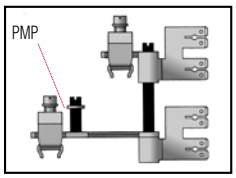


VCI
internal cross connection

PMP bar
(to be added to VCE)



VCE
internal
+
front adjoining cross-connection



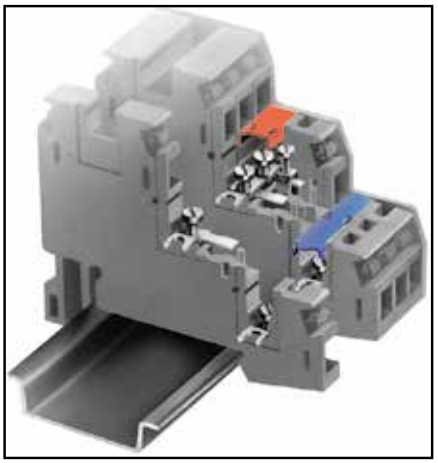
VCI + PM
internal parallel
+
rear adjoining cross connection

Two and three level circuits

- with 3 levels for sensors
- with LOCK system
- with possibility of LED indication
- hooked onto PR/3 type profiles according to IEC 60715 standard, TH/35 type
- available in beige and grey
- maximum continual operating temperature 100°C

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 version.*

grey version	**TLS.2/GR** Cat. No. **TL100GR**
beige version	**TLS.2** Cat. No. **TL100**
(Ex)i version	

TECHNICAL CHARACTERISTICS		
function/type		three level - for sensors
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	250 V / 24 A / A3
rated voltage / rated current / AWG / tightening torque value	UL	600 V / 15 A / 20-12 AWG / 3.5 lb.in
(Ex e) rated voltage ⊏ / ⌣	(V)	-
rated impulse withstand voltage / pollution degree		4 KV / 3
insulation stripping length	(mm)	8
tightening torque value (test / max)	(Nm)	0.4 / 0.8
height / width / thickness	⌣ TH/35 7.5 mm	52 / 62.5 / 6.2
height / width / thickness	⊔ TH/35 15 mm	60 / 62.5 / 6.2
height / width / thickness	⊏ G32	-

APPROVALS

c UL us KEMA KEUR

ACCESSORIES		Type	Cat. No.
End sections	grey beige blue	**TLS/PT/GR** **TLS/PT**	TL101GR TL101
Permanent cross connection		**PM/20/2** poles **PM/30/3** poles **PM/30/5** poles **PM/30/10** poles	PM202 PM303 PM305 PM310
Rated current carrying capacity of jumper	(A)	**24**	
Switchable cross connection		**POS/41**	POS41
Multiple common bar	250 mm	**PMP/02**	PMP02
Shunting screw and sleeve		**CPM/21**	CPM21
Coloured partition	red, green, white	**DFU/3**	DU03..
Cross connection barrier	red	**DFM/400**	DF400
Test plug socket		**PSD/D**	PD004
Test plug		**SDD/1**	DD001
Modular test plug		-	
End section for modular test plug		-	
Numbering strip		-	
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connection		**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8/51**	NU0851
End bracket		**BTU** for PR/DIN and PR/3 **BTO** for PR/3 only **BT/3** for PR/3 only	BT005 BT007 BT003

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, through the combined use of TLS.2 and TLD.2 terminal blocks it is possible to connect in an optimal and economic manner both power supply conductors on input to the sensor, and those on output carrying the signal of the same. 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 resulting contact is clamped with a screw, supplied already inserted in the conductor element.

The LOCK system, above described, allows the connection of positive and negative poles, without the use of any other parallel cross connection. At the upper, feed-through level, the conductor for the return signal of the sensor is connected; inserting **PRP/5** coloured protections in the special channels guarantees against all possible contact of the live parts and enables 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.

Two and three level circuits

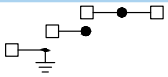
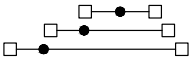
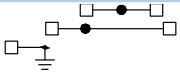
- feed-through with 3 levels
- with 3 levels and earth connection
- mounting on TH 35-7.5 and TH 35-15 rails according to IEC 60715
- available in beige and grey
- maximum continual operating temperature 100°C

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 version.*

(*): 24 A factory wiring only

	TLE.2/GR Cat. No. **TL400GR**	**TLD.2/GR** Cat. No. **TL200GR**	**TDE.2/GR** Cat. No. **TL500GR**
grey version			
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 / 3.5 lb.in	600 V / 15 A / 20-12 AWG / 3.5 lb.in	600 V / 20 A (*) / 20 – 12 AWG / 3.5 lb.in
(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 / max) (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	cULus KEMA KEUR	cULus KEMA KEUR	cULus 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
intermediate			**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/02**	PMP02	**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	-		-		-	
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/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

- for Ø 5 x 20 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)
- basic versions available in beige and grey (where indicated)
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- maximum continual operating temperature 100°C

To determine the insulation voltage related to the different connection diagrams with PTC cross connections, consult the table on page 148

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 (PVK) - [W]	Composite configuration (PVK) - [W]
SFR.4	250	6.3	2.5	1.6	2.5	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

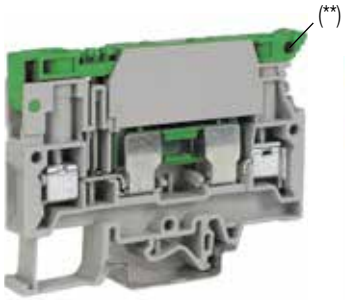
*The **/GR** tag indicates the grey version.*

	SFR.4/GR Cat. No. **SF900GR**	**CBF.4/GR** Cat. No. **CBF04GR**	**SFR.6/M/GR** Cat. No. **SR500GR**
grey version			
beige version	**SFR.4** Cat. No. **SF900**		**SFR.6/M** Cat. No. **SR500**
(Ex)i version	**SFR.4 (Ex)i** Cat. No. **SF850**	**CBF.4 (Ex)i** Cat. No. **CBF04I**	**SFR.6/M (Ex)i** Cat. No. **SR600**
TECHNICAL CHARACTERISTICS			
function/type	for ø 5x20 mm fuse	for ø 5x20 mm fuse	for ø 5x20 mm fuse
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	630 V / 6.3 A max / A4	630 V (*) / 10 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 / 4.4 lb.in.	600 V / 6.3 A / 20-12 AWG / 4.4 lb.in.	600 V / 6.3 A / 20-8 AWG / 13 lb.in.
(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	10	11
tightening torque value (test / max) (Nm)	0.5 / 1.2	0.5 / 1	0.8 / 1.4
height / width / thickness ⊔ TH/35 7.5 mm	52 / 52 / 8	76 / 57 / 6	59 / 79 / 10
height / width / thickness ⊔ TH/35 15 mm	60 / 52 / 8	83 / 57 / 6	67 / 79 / 10
height / width / thickness ⊔ G32	56 / 52 / 8	-	63 / 79 / 10
APPROVALS			
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**SFR.4/PT/GR** SF701GR	**CB/PT/GR** CB401GR	**SFR.6/PT/GR** SR301GR
beige	**SFR.4/PT** SF701	-	**SFR.6/PT** SR301
blue	**SFR.4/PT (Ex)i** SF801	**CB/PT (Ex)i** CB402	**SFR.6/PT (Ex)i** SR401
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	-	**PTC/4/02** poles PTC0402 **PTC/4/03** poles PTC0403 **PTC/4/05** poles PTC0405 **PTC/4/10** poles PTC0410 **PTC/4/00** (42 poles) PTC0400	**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)	-	**32**	**25**
Cross-connection identification strip(100 mm) green	-	**PTC/SP** PTC0990	**PTC/SP** PTC0990
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/300** DF300
Test plug socket	-	-	-
Test plug	-	**-** -	**SDD/1** DD001
Numbering strip	-	-	-
Miniature fuse Ø 5 x 20 mm	**F5** FN...	**F5** FN...	**F5** FN...
LED circuit non-polarized - 2 contact slats - 1 microcircuit or lamp - 1 transparent cover - to be inserted in such a sequence	**CIL/12** SF512 **CIL/24** SF524 **CIL/48** SF548 **CIL/115** SF515 **CIL/230** SF523	**CIL/12-24-48** CB518 **CIL/115-230** CB523	**KITLSN/12-24** KIT1224 **KITLSN/70-380** KIT70380
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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** only for PR/DIN BT001 **BT/3-BTO** only for PR/3 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

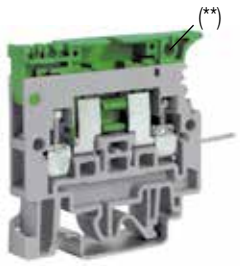
Fuse-holders

- for Ø 5 x 20 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)
- basic versions available in beige and grey (where indicated)
- for Ø 6.3 x 32 mm fuses
- with solder lug
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, "G32" and TH/35 types
- maximum continual operating temperature 100°C

Please, see page 148 (table) to determine the insulation voltage of the different PTC connection diagrams



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



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 (PVK) - [W]	Composite configuration (PVK) - [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

(*) 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

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

grey version

beige version

(Ex)i version

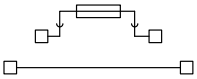
	SFR.6/GR Cat. No. SR300GR	SFR.4/VS/GR Cat. No. SF910GR
	SFR.6 Cat. No. SR300	SFR.4/VS Cat. No. SF910
	SFR.6 (Ex)i Cat. No. SR400	
TECHNICAL CHARACTERISTICS		FOR 5 x 20 FUSE WITH SOLDER LUG
function/type	• for ø 6 x 32 mm fuse	for fuse with solder lug
rated cross-section (mm²)	6	4
connecting capacity		
flexible (mm²)	0.2 – 10	0.2 – 6
rigid (mm²)	0.2 – 10	0.2 – 6
max. flexible with ferrule (mm²) - ferrule type	6 - WP60/20	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630 V (*) / 10 A (33 A with cylinder) / A5	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 / 13 lb.in	-
(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 / max) (Nm)	0.8 / 1.4	0.5 / 1.2
height / width / thickness ⊔ TH/35 7.5 mm	59 / 79 / 10	52 / 65 / 8
height / width / thickness ⊔ TH/35 15 mm	67 / 79 / 10	60 / 65 / 8
height / width / thickness ⊔ G32	63 / 79 / 10	56 / 65 / 8
APPROVALS		

ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End sections grey	**SFR.6/PT/GR**	SR301GR	**SFR.4/PT/GR**	SF701GR
beige	**SFR.6/PT**	SR301	**SFR.4/PT**	SF701
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		
Rated current carrying capacity of jumper (A)	**25**		**-**	
Cross-connection identification strip(100 mm) green	**PTC/SP**	PTC0990	-	
Multiple common bar 250 mm	-		-	
Shunting screw and sleeve	-		-	
Coloured partition red, green, white	**DFU/7**	DU07..	**DFU/3**	DU03..
Cross connection barrier red	**DFM/300**	DF300	-	
Test plug socket	-		-	
Test plug	**SDD/1**	DD001	-	
Numbering strip	-		-	
Miniature fuse Ø 5 x 20 mm	-		**F5**	FN...
LED circuit non-polarized - 2 contact slats - 1 microcircuit or lamp - 1 transparent cover - to be inserted in such a sequence	**KITLSN/12-24**	KIT1224	**CIL/12-24-48**	SF518
	KITLSN/70-380	KIT70380	**CIL/115-230**	SF510
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

Fuse-holder/diode-holder

- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- two and three level circuits - upper level fuse holder/diode holder, lower feed-through
- for ø 5 x 20 mm fuses (supplied separately), with possible warning of any broken fuse through LED microcircuit (CIL/...)
- for 1 A diodes (types 1N4001 – 1N4007)
- for 3 A diodes (type BY255)
- available in grey and beige
- maximum continual operating temperature 100°C

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

grey version	**DSF.4/GR** Cat. No. **DA200GR**
beige version	**DSF.4** Cat. No. **DA200**
TECHNICAL CHARACTERISTICS	
function/type	On two levels: ø 5 x 20 mm fuse-holder (upper level) - feed-through (lower level)
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 60947-7-1/3	800 V / [6.3 A (10 A with CO/5) (upper level)] - 32 A (lower level) / 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 / max) (Nm)	0.5 / 1.2
height / width / thickness ⌙⌙ TH/35 7.5 mm	69 / 79.5 / 8
height / width / thickness ⌙⌙ TH/35 15 mm	77 / 79.5 / 8
height / width / thickness ⊏⌙ G32	- / - / -

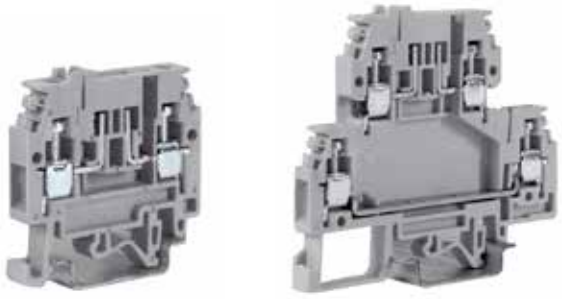
APPROVALS

KEMA KEUR

ACCESSORIES		Type	Cat. No.
End sections	grey	**DSF.4/PT/GR**	DS401GR
	beige	**DSF.4/PT**	DS401
	blue		
Coloured partition	red, green, white	**DFU/7**	DU07..
Cross connection barrier	red	-	
Test plug socket		-	
Numbering strip		-	
Miniature fuse	Ø 5 x 20 mm	**F5/...**	FN...
Conductor element	ø 5 x 20 mm	**CO/5**	VL103
LED circuit	non-polarized	**CIL/12-24-48**	SF518
- 2 contact slats		**CIL/115-230**	SF510
- 1 microcircuit or lamp			
- 1 transparent cover - to be inserted in such a sequence			
Marking tag	printed or blank	**CNU/8**	NU08...
		CNU/10	NU10...
Terminal block with LED 12 ÷ 48 V non polarised micro-circuit		**DSF.4/GR/C12-48**	DA518GR
Terminal block with LED 115 ÷ 230 V non polarised micro-circuit		**DSF.4/GR/C115-230**	DA510GR
1 A cartridge / insert		**SFR/I1A** (with 1 A diode)	SF992
3 A cartridge / insert		**SFR/I3A** (with 3 A diode)	SF993
terminal block with 1 A diode		**DSF.4/GR/D1A**	DA901GR
terminal block with 3 A diode		**DSF.4/GR/D3A**	DA903GR
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BT/3-BTO for PR/3 only	BT003-BT007

Fuse-holders

- for “blade” fuse in compliance with DIN 72581/3F – ISO 8820
- basic versions available in beige and grey (where indicated)
- possible insertion of the “Easy Bridge” system multi-polar connection upstream of the fuse
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- maximum continual operating temperature 100°C



(*) 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

For the isolation figures with cross connections refer to the table on page 131

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

grey version	MPFA.4/GR Cat. No. MF100GR	DSFA.4/GR Cat. No. DA100GR
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 / 4.4 lb.in	300 V / 6.3 - 30 A / 26-10 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)	9	9
tightening torque value (test / max)	(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 use with CPF/5 fuse carrier cartridge

Approvals referred to use with CPF/5 fuse carrier cartridge

ACCESSORIES

ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey beige blue	**MPS.4/PT/GR** **MPS.4/PT** -	MP901GR MP901	**DSS/PT/GR** **DSS/PT** -	DS301GR DS301
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130		**PTC/4/02** poles **PTC/4/03** poles **PTC/4/05** poles **PTC04/10** poles **PTC/4/00** (42 poles)	PTC0402 PTC0403 PTC0405 PTC0410 PTC0400	**PTC/4/02** poles **PTC/4/03** poles **PTC/4/05** poles **PTC04/10** poles **PTC/4/00** (42 poles)	PTC0402 PTC0403 PTC0405 PTC0410 PTC0400
Rated current carrying capacity of jumper	(A)	**32**		**32**	
Cross-connection identification strip(100 mm)	green	-		-	
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 In = 5 A In = 7.5 A In = 15 A	**F32/2** In = 2 A **F32/5** In = 5 A **F32/7** In = 7.5 A **F32/15** In = 15 A	FN03202 FN03205 FN03207 FN03215	**F32/2** In = 2 A **F32/5** In = 5 A **F32/7** In = 7.5 A **F32/15** In = 15 A	FN03202 FN03205 FN03207 FN03215
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

MPFA.4 – detail of the terminal blocks with numbering CNU/8 and CNU/8/51, “blade” fuse seen from the PTC/4 cross connection and seen from the PTC cross connection. The terminal block can be supplied already including a non-polarised LED warning circuit, to warn if the fuse breaks. Two versions are available, depending on the different power supply voltages.
MPFA.4/L12 code MF112 (complete with non-polarised 12 V LED circuit)
MPFA.4/L24 code MF124 (complete with non-polarised 24 V LED circuit)

DSFA.4 – detail of the terminal blocks with numbering CNU/8 and CNU/8/51, blade fuse and view of the PTC/4 cross connections on the upper level (upstream from the fuse) and on the lower level. The terminal block can be supplied already including a non-polarised LED warning circuit, to warn if the fuse breaks.
Two versions are available, depending on the different power supply voltages.
DSFA.4/L12 code DA112 (complete with non-polarised 12 V LED circuit)
DSFA.4/L24 code DA124 (complete with non-polarised 24 V LED circuit)

Component-holder cartridge

- to be mounted on the terminal blocks: MPFA.4, DSFA.4 and HMFA.2 (see p. 84)
- possible insertion of Ø 5 x 20 mm fuse (our type F5, with or without warning LED, diode (1 or 3 A), Ø 5 x 20 mm brass cylinder and other components (e.g. resistances)
- maximum continual operating temperature 100°C

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 (PVK) - [W]	Composite configuration (PVK) - [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 / max) (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

APPROVALS

Enel Distribuzione DV 27/8

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

ACCESSORIES

Marking tag	printed or blank
Tinned brass conductor	Ø 5 x 20 mm
Cartridge / insert with 1 A diode	
Cartridge / insert with 3 A diode	

Type	Cat. No.
CNU/8/51	NU0851
CO/5	VL103
SFR/I1A (with 1 A diode)	SF992
SFR/I3A (with 3 A diode)	SF993

VERSIONS PROVIDED

With non-polarized LED microcircuit	12 Vdc / Vac
With non-polarized LED microcircuit	24 Vdc / Vac
With non-polarized LED microcircuit	48 Vdc / Vac
With non-polarized LED microcircuit	115 Vdc / Vac
With non-polarized LED microcircuit	230 Vdc / Vac
With 1 A diode (1N4001 ÷ 1N4007 types)	
With 3 A diode (BY255 type)	
With resistor 1200 Ω (1 W ± 5%)	

Type	Cat. No.
CPF/5L12	CPF512
CPF/5L24	CPF524
CPF/5L48	CPF548
CPF/5L115	CPF511
CPF/5L230	CPF523
CPF/5D1A	CPF501
CPF/5D3A	CPF503
CPF/5R	CPR05

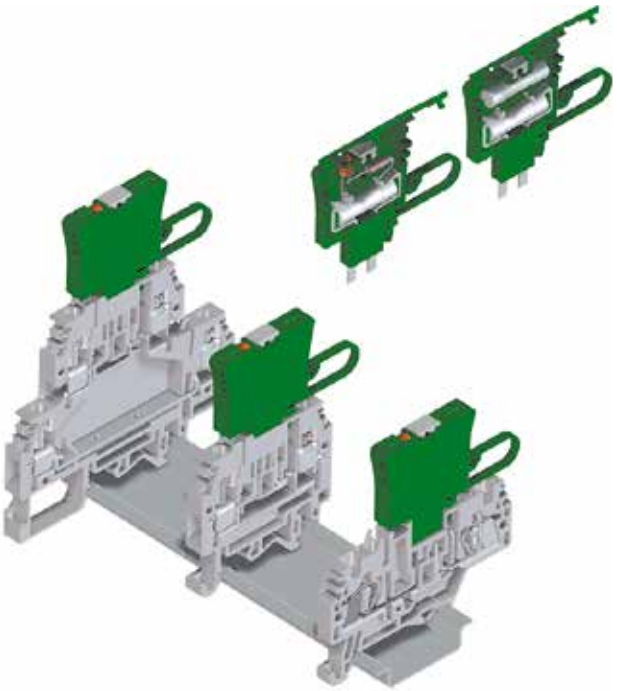
Note:

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

(b) when the cartridge is mounted on the terminal blocks, total, also taking into account the supporting 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

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



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

When mounted on HMFA.2 terminal blocks, placed alongside each other, a terminal plate needs to be provided for between one terminal block and another owing to the pitch differential between terminal block and cartridge.

Fuse-holders

- for Ø 6.3 x 32 mm fuses
- for Ø 6.3 x 32 mm fuses, with possibility of warning of any broken fuse through LED microcircuit (CIL/...)
- universal mounting for both and PR/3 rails which meet IEC norms, “G32” and TH/35 types
- available in beige
- maximum continual operating temperature 100°C

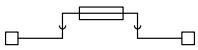
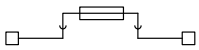
The terminal block is fitted with a lever provided for inserting a Ø 6.3 x 32 mm - 500 V fuse (not supplied by us).

The terminal block is fitted with a lever which enables insertion of a Ø 6.3 x 32 mm - 500 V fuse and a non-polarised LED microcircuit. The LED comes on to warn that the fuse is broken. The terminal block can be supplied already with the CIL circuit mounted for inserting a non-polarised LED circuit.

The terminal block is fitted with a lever which enables insertion of a Ø 6.3 x 32 mm - 500 V fuse and a neon light with resistance incorporated (our type LSN Ø 6 x 26 mm - 380 V max).
Breaking of the fuse causes the light to come on.

LSN

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

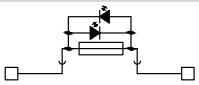
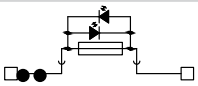
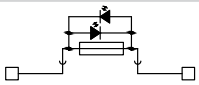
standard version	**FPC.10** Cat. No. **FP100**	**FPL.10/C** Cat. No. **FP300**	**FPL.10/L** Cat. No. **FP200**
TECHNICAL CHARACTERISTICS			
function/type	for Ø 6.3 x 32 mm fuses	for Ø 6.3 x 32 mm fuses with LED	for Ø 6.3 x 32 mm fuses with lamp
rated cross-section (mm²)	10	10	10
connecting capacity			
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 / 7 lb.in.	300 V / 15 A / 20-6 AWG / 7 lb.in.	300 V / 15 A / 20-6 AWG / 7 lb.in.
(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 / max) (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	cULus, KEMA KEUR, Terna LV 27/8, Enel Distribution DV 27/8	cULus, KEMA KEUR, Terna LV 27/8, Enel Distribution DV 27/8	cULus, KEMA KEUR, Terna LV 27/8, Enel Distribution DV 27/8
ACCESSORIES	**Type** **Cat. No.**	**Type** **Cat. No.**	**Type** **Cat. No.**
End sections beige	-	-	-
End sections blue	-	-	-
Permanent cross connection (pre-assembled) (***) intrinsically IPXXB protected once mounted	-	-	-
Switchable 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..
Cross connection barrier red	-	-	-
Test plug socket	-	-	-
Test plug	**SDD/2** DD002	-	-
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 made up of: **non-polarized** - 2 contacts - 1 microcircuit - 1 transparent cover - to be inserted in such a sequence	-	**CIL/12-24-48** CB518 **CIL/115-230** CB523	-
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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

Fuse-holders with warning LED circuit

- for Ø 5x20 mm fuses, with LED warning circuit capable of detecting intervention of the fuse
- with LED (CIL) microcircuits - non-polarised for operation under alternating and/or direct current
- available in beige and grey
- maximum continual operating temperature 100°C

CIL/... circuit

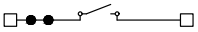
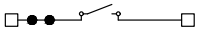
CIL/... circuit

beige version	**SFR.4/C48** Cat. No. **SF948** with 48 V non-polarized LED circuit **SFR.4/C230** Cat. No. **SF923** with 230 V non-polarized LED circuit			**FPL.10/C48** Cat. No. **FP948** with 48 V non-polarized LED circuit **FPL.10/C230** Cat. No. **SF923** with 230 V non-polarized LED circuit
grey version	**SFR.4/C48/GR** Cat. No. **SF948GR** with 48 V non-polarized LED circuit **SFR.4/C230/GR** Cat. No. **SF923GR** with 230 V non-polarized LED circuit		**CBF.4/C48/GR** Cat. No. **CBF448GR** with 48 V non-polarized LED circuit **CBF.4/C23/GR** Cat. No. **CBF423GR** with 230 V non-polarized LED circuit	
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 / A4		630 V (*) / 6.3 A max (20A with CO/5) / A4	800 V (*) / 10 A / B6
rated voltage / rated current / AWG / tightening torque value UL	600 V / 6.3 A / 20-12 AWG / 4.4 lb.in.		600 V / 6.3 A / 20-12 AWG / 4.4 lb.in.	300 V / 15 A / 20-6 AWG / 7 lb.in.
(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 / max) (Nm)	0.5 / 1.2		0.5 / 1	1.2 / 1.9
height / width / thickness ⌣ TH/35 7.5 mm	52 / 52 / 8		76 / 57 / 6	71 / 63 / 12
height / width / thickness ⌣ TH/35 15 mm	60 / 52 / 8		83 / 57 / 6	79 / 63 / 12
height / width / thickness ⊏⊐ G32	56 / 52 / 8		-	75 / 63 / 12
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	**SFR/PT/GR**	SF701GR	**CB/PT/GR**	CB401GR	-	
beige	**SFR/PT**	SF701	-		-	
"Easy Bridge" permanent cross connection 2 poles (intrinsically	-	-	**PTC/4/02**	PTC0402	-	-
IPXXB protected once mounted) 3 poles	-	-	**PTC/4/03**	PTC0403	-	-
Available also in coloured version Ref. Page 130 5 poles	-	-	**PTC/4/05**	PTC0405	-	-
10 poles	-	-	**PTC/4/10**	PTC0410	-	-
42 poles	-	-	**PTC/4/00**	PTC0400	-	-
Rated current carrying capacity of jumper (A)	-	-	32		-	-
Cross-connection identification strip(100mm) green	-	-	**PTC/SP**	PTC0990	-	-
Coloured partition red	**DFU/3**	DU03R	-	-	**DFU/6**	DU06R
Miniature fuse Ø 5 x 20 mm	**F5**	FN...	**F5**	FN...	**MSM**	FC103
Conducting element	**CO/5**	VL103	**CO/5**	VL103	-	-
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	-	-
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/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/3-BTO** for PR/3 only	BT003-BT007

Disconnects

- disconnects with lever
- possible to create parallel connections
- “Easy Bridge” system: multi-polar cross connection without the need for additional protections
- available in the colours: grey, beige, or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum continual operating temperature 100°C

grey version	CBS.2/GR Cat. No. CBS02GR	CBS.4/GR Cat. No. CBS04GR
beige version	CBS.2 Cat. No. CBS02	CBS.4 Cat. No. CBS04
(Ex)i version	CBS.2 (Ex)i Cat. No. CBS02I	CBS.4 (Ex)i Cat. No. CBS04I
TECHNICAL CHARACTERISTICS		
function/type	disconnect lever	disconnect lever
rated cross-section (mm²)	2	4
connecting capacity		
flexible (mm²)	0.2 – 4	0.2 – 6
rigid (mm²)	0.2 – 4	0.2 – 6
max. flexible with ferrule (mm²) - ferrule type	2 - WP25/14	4 - WP40/16
rated voltage / rated current / gauge conf. to IEC 60947-7-1	630V / 22A / A3	630V / 24A / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 20 A / 20-12 AWG / 3.5 lb.in.	600 V / 24 A / 20-10 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)	9	10
tightening torque value (test / max) (Nm)	0.4 / 0.6	0.5 / 0.8
height / width / thickness ⊔ TH/35 7.5 mm	52 / 57 / 5	52 / 57 / 6
height / width / thickness ⊔ TH/35 15 mm	60 / 57 / 5	60 / 57 / 6
APPROVALS	c UL us KEMA KEUR	c UL us KEMA KEUR

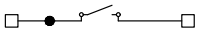
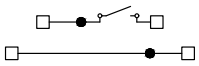
ACCESSORIES		Type	Cat. No.	Type	Cat. No.
End sections	grey	**CB/PT/GR**	CB401GR	**CB/PT/GR**	CB401GR
	beige	**CB/PT**	CB401	**CB/PT**	CB401
	blue	**CB/PT (Ex)i**	CB402	**CB/PT (Ex)i**	CB402
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted)	2 poles	**PTC/2/02**	PTC0202	**PTC/4/02**	PTC0402
	3 poles	**PTC/2/03**	PTC0203	**PTC/4/03**	PTC0403
Available also in coloured version (PTP)	5 poles	**PTC/2/05**	PTC0205	**PTC/4/05**	PTC0405
Ref. p. 131	10 poles	**PTC/2/10**	PTC0210	**PTC/4/10**	PTC0410
		PTC/2/00 (50 poles)	PTC0200	**PTC/4/00** (42 poles)	PTC0400
Coloured partition	red, green, white	**DFU/3**	DU03	**DFU/3**	DU03
Cross connection barrier	red	**DFM/800**	DF800 - DF 900	**DFM/800**	DF800 - DF 900
		DFM/900	DF800 - DF 900	**DFM/900**	DF800 - DF 900
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/61**	NU0861
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

Disconnects

- disconnects with special connections
- possibility to perform parallel connections
- available in multiple colours: grey and beige, or in a version appropriate for use with “intrinsically safe” circuits (blue)
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- “Easy Bridge” system: multi-polar cross connection without the need for additional protections
- maximum operating temperature 100°C

For the isolation figures with cross connections refer to the table on page 131

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

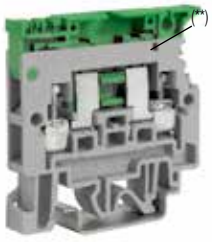
grey version	**MPS.4/GR** Cat. No. **MP950GR**	**DSS.4/GR** Cat. No. **DS400GR**
beige version	**MPS.4** Cat. No. **MP950**	**DSS.4** Cat. No. **DS400**
(Ex)i version	**MPS.4/SW (Ex)i** Cat. No. **MP960**	
TECHNICAL CHARACTERISTICS		
function/type	disconnect lever	on two levels, with switchable upper 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	400 V / 24 A / A4	400 V / 24-32 A (*) / A4
rated voltage / rated current / AWG / tightening torque value UL	600 V / 24 A / 26-10 AWG / 4.4 lb.in	300 V / 24-32 A / 26-10 AWG / 4.4 lb.in
(Ex e) rated voltage ⊏⊐/ ⌣ (V)	-	-
rated impulse withstand voltage / pollution degree	6 KV / 3	4 KV / 3
insulation stripping length (mm)	9	9
tightening torque value (test / max) (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		

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	**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/4/03 poles	PTC0403	**PTC/4/03** poles	PTC0403
		PTC/4/05 poles	PTC0405	**PTC/4/05** poles	PTC0405
		PTC/4/10 poles	PTC0410	**PTC/4/10** 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
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		-		-	
Numbering strip		**CNU/8/61**	NU0861	**CNU/8/61**	NU0861
Cover for cross-connections	red, blue or white	-		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

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

Disconnects

- disconnects by means of conducting element to be inserted in the lever
- disconnects with special connections
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in grey and beige
- maximum operating temperature 100°C



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

To determine the insulation voltage related to the different connection diagrams with PTC cross connections, consult the table on page 131.

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 version.*

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 / max)		(Nm)
height / width / thickness	⊐⊏ TH/35 7.5 mm	
height / width / thickness	⊏⊐ TH/35 15 mm	
height / width / thickness	⊏⊐ G32	

SFR.4/GR Cat. No. **SF900GR**	**SFR.4/VS/GR** Cat. No. **SF910GR**	**SFR.6/M/GR** Cat. No. **SR500GR**
SFR.4 Cat. No. **SF900**	**SFR.4/VS** Cat. No. **SF910**	**SFR.6/M** Cat. No. **SR500**
SFR.4 (Ex)i Cat. No. **SF850**		**SFR.6/M (Ex)i** Cat. No. **SR600**
	FOR 5 x 20 FUSE WITH SOLDER LUG	
disconnect	disconnect, with solder lug	disconnect
4	4	6
0.2–6	0.2–6	0.2–10
0.2–6	0.2–6	0.2–10
4–WP40/16	4–WP40/16	4–WP60/20
800 V / 20 A (with CO/5) / A4	400 V / 15 A (with CO/5) / A4	630 V / 19 A (with CO/5) / A5
600 V / 6.3 A / 20-12 AWG / 4.4 lb.in		600 V / 6.3 A / 20-8 AWG / 13 lb.in.
-	-	-
6 KV / 3	4 KV / 3	6 KV / 3
11	11	11
0.5 / 1.2	0.5 / 1.2	0.8 / 1.4
52 / 52 / 8	52 / 65 / 8	59 / 79 / 10
60 / 52 / 8	60 / 65 / 8	67 / 79 / 10
56 / 52 / 8	56 / 65 / 8	63 / 79 / 10

APPROVALS

ACCESSORIES

		Type	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	grey	**SFR.4/PT/GR**	SF701GR	**SFR.4/PT/GR**	SF701GR	**SFR.6/PT/GR**	SR301GR
	beige	**SFR.4/PT**	SF701	**SFR.4/PT**	SF701	**SFR.6/PT**	SR301
	blue	**SFR.4/PT (Ex)i**	SF801	-		**SFR.6/PT (Ex)i**	SR401
Permanent cross connection (pre-assembled)		-		-		**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
Switchable cross connection		-		-		**25**	
Multiple common bar	250 mm	-		-		-	
Shunting screw and sleeve		-		-		-	
Coloured partition	red, green, white	**DFU/3**	DU03..	**DFU/3**	DU03..	-	
Cross connection barrier	red	-		-		**DFU/7**	DU07..
Test plug socket		-		-		**DFM/300**	DF300
Test plug		-		-		-	
Numbering strip		-		-		**SDD/1**	DD001
MSM handle		-		-		-	
Brass conducting element		**CO/5**	VL103	**CO/5**	VL103	**CO/5**	VL103
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

Disconnects

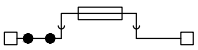
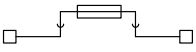
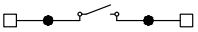
- disconnects by means of conducting element to be inserted in the lever
- slide link disconnect
- possibility to perform parallel connections
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in grey and beige
- maximum operating temperature 100°C

Please refer to the table on page 131 in order to detemine the insulation voltage of the different PTC connection diagrams

Ø 6.3 x 32 mm CO/5 conducting element - in tin plated brass to be inserted in the lever

SCB.4 terminal blocks with shortcircuit plates and test plugs

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

	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 cylinder) / 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 / 13 lb.in	600 V / 15 A / 20-6 AWG / 7 lb.in	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 / max)	(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		cULus KEMA KEUR, Enel DV 27/8	Terna LV 27/8, Enel DV 27/8, KEMA KEUR	cULus KEMA KEUR

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		-		-		-	
Brass conducting element		**CO/6**	C006	**SFC/CO**	FC102	-	
Screw and sleeve for short-circuit plates		-		-		**SCB/4/CPM**	SB305
MSM handle		-		**MSM** (6 elements)	FC103	-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

Disconnect terminal blocks for test and measurement circuits

with UL94V-0 polyamide insulating body

• universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types

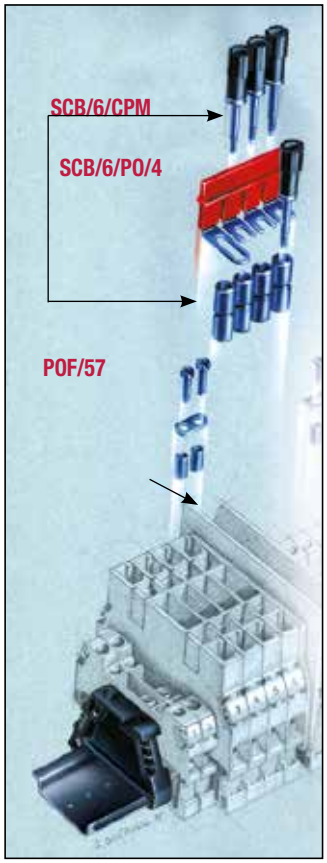
In SCB.6 type terminal block, the use of special cross-connections, formed by

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.

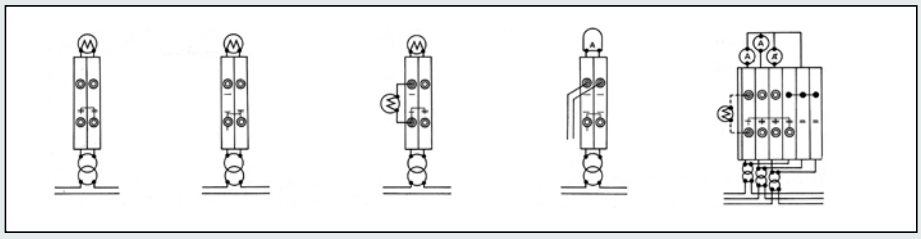


SCB.6 type terminal blocks have also the possibility to house, upstream and downstream the disconnection, sockets for test plugs, suitable for the withdraw of signals.

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.

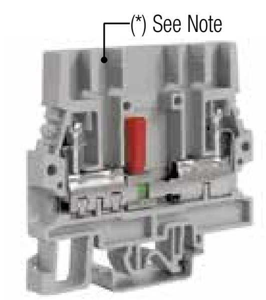
The slide-link is formed by two guides, held together by a screw inserted in a glass-shape collar, which allows the elastic blocking and the anti-loosening of the slide-link and is provided with a red protective colouring for the easy positioning of the screwdriver during the disconnection and the easy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



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

Disconnect terminal blocks for test and measurement circuits

- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in grey and beige
- maximum operating temperature 100°C

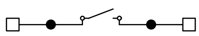
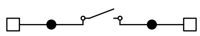
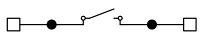


(*) For the simple connection in parallel of two or more adjoining terminal blocks use the parallel skid, with the screws and sleeves, after removing the insulating wall with a simple cutter

Longitudinal and transversal test switching terminal block.
Configuration complete with **test plug socket** downstream and upstream the slide link, compliant with the ENEL LV 27/3 specifications

Longitudinal and transversal test switching terminal block. Configuration complete with **a test plug socket** upstream and **a short circuit sleeve** SCB/6/PO/2 or SCB/PO/4 type, supplied separately, downstream of the slide link, compliant with the ENEL LV 27/2 specifications

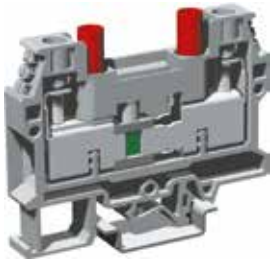
*The **/GR** tag indicates the grey version.*

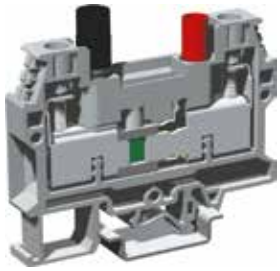
grey version	**SCB.6/GR** Cat. No. **SB200GR**	**SCB.6/DD/GR** Cat. No. **SB210GR**	**SCB.6/CD/GR** Cat. No. **SB220GR**
beige version	**SCB.6** Cat. No. **SB200**	**SCB.6/DD** Cat. No. **SB210**	**SCB.6/CD** Cat. No. **SB220**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function/type	disconnect by slide link	disconnect by slide link in special configuration for voltmetric circuits	disconnect by slide link in 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 G32 / TH35 (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 / max) (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 Distribution DV 27/2, c UL us, KEMA EUR	Terna LV 27/4, Enel Distribution DV 27/2, c UL us, KEMA EUR	Terna LV 27/4, Enel Distribution DV 27/2, c UL us, KEMA EUR

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	**2 pcs. included**		**1 pc. included**	
Test plug	**SDD/2**	DD002	**SDD/2**	DD002	**SDD/2**	DD002
Numbering strip	-		-		-	
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
Screw and sleeve for short-circuit plates black	**SCB/6/CPM**	SB205	**Not available**		**1 pc. included**	
Screw and sleeve for short-circuit plates red	**SCB/6/CPM/R**	SB205R	**for this model**		**-**	
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

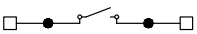
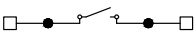
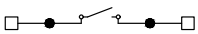
Disconnect terminal blocks for test and measurement circuits

- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- configurations prepared /DD (with derivation sockets upstream and downstream of the slide link) - for voltammetric circuits
- configurations prepared /CD (with derivation sockets upstream and downstream of the slide link and sleeve for short circuit upstream of the slide link) - for amperometric circuits
- available in beige and grey
- maximum operating temperature 100°C





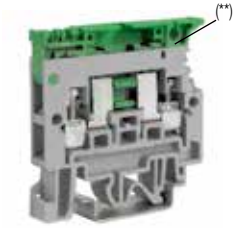
*The **/GR** tag indicates the grey version.*

grey version	**SCB.10/GR** Cat. No. **SB400GR**	**SCB.10/DD/GR** Cat. No. **SB410GR**	**SCB.10/CD/GR** Cat. No. **SB420GR**
beige version	**SCB.10** Cat. No. **SB400**	**SCB.10/DD** Cat. No. **SB410**	**SCB.10/CD** Cat. No. **SB420**
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function/type	disconnect by slide link	disconnect by slide link in special configuration for voltmetric circuits	disconnect by slide link in special configuration for amperometric circuits
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	1000 V / 57 A / A4	1000 V / 57 A / A4	1000 V / 57 A / A4
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	8 KV / 3
insulation stripping length (mm)	14	14	14
tightening torque value (test / max) (Nm)	0.5 / 1.2	0.5 / 1.2	0.5 / 1.2
height / width / thickness ⌐¬ TH/35 7.5 mm	59.5 / 75 / 10.5	59.5 / 75 / 10.5	59.5 / 75 / 10.5
height / width / thickness ⌐¬ TH/35 15 mm	67.5 / 75 / 10.5	67.5 / 75 / 10.5	67.5 / 75 / 10.5
height / width / thickness ⊏⊐ G32	63.5 / 75 / 10.5	63.5 / 75 / 10.5	63.5 / 75 / 10.5
APPROVALS	KEMA KEUR, Enel Distribution DV 27/4	KEMA KEUR, Enel Distribution DV 27/3	KEMA KEUR, Enel Distribution DV 27/2

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections grey	**SCB/10/PT/GR**	SB401GR	**SCB/10/PT/GR**	SB401GR	**SCB/10/PT/GR**	SB401GR
beige	**SCB/10/PT**	SB401	**SCB/10/PT**	SB401	**SCB/10/PT**	SB401
	-		-		-	
Permanent cross connection	**POF/56**	POF56	**POF/56**	POF56	**POF/56**	POF56
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	**2 pcs. included**		**1 pcs. included**	
Test plug	**SDD/2**	DD002	**SDD/2**	DD002	**SDD/2**	DD002
Numbering strip	-		-		-	
Screw and sleeve for short-circuit plates black	**SCX/CPM**	SC105	**Not available**		**1 pc. included**	
Short-circuit plate between 2 adjoining terminal blocks	**SCX/PO/2**	SC103	**SCX/PO/2**	SC103	**SCX/PO/2**	SC103
between 4 adjoining terminal blocks	**SCX/PO/4**	SC104	**SCX/PO/4**	SC104	**SCX/PO/4**	SC104
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
	-		-		-	
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

Diode-holders

- for 1 A diodes (types 1N4001 – 1N4007)
- for 3 A diodes (type BY 255)
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in grey and beige
- maximum operating temperature 100°C



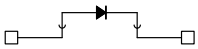
The terminal block is fitted with a disconnection lever with hole (**) provided for possible sealing of the knife or for inserting a pawl for moving simultaneously several contiguous knives

The SFR/I1A or SFR/I3A insert is provided as an accessory and must be mounted in the lever of the SFR.4 basic terminal block, to transform it into a diode holder

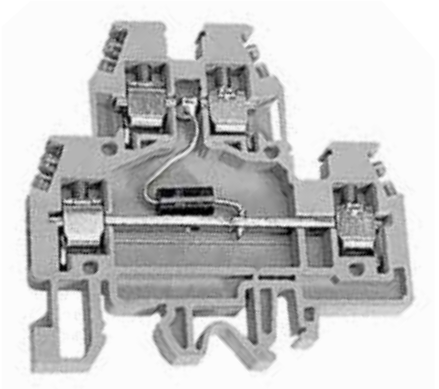
The terminal block is fitted with a disconnection lever with hole (**) provided for possible sealing of the knife or for inserting a pawl for moving simultaneously several contiguous knives

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

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

	grey version	**SFR.4/GR** Cat. No. **SF900GR**	**SFR.4/D1/GR** Cat. No.**SF901GR** complete with diode 1N4001 **SFR.4/D3/GR** Cat. No.**SF903GR** complete with diode 1N4007
	beige version	**SFR.4** Cat. No. **SF900**	**SFR.4/D1** Cat. No. **SFR901** complete with diode 1N4001 **SFR.4/D3** Cat. No. **SFR903** complete with diode 1N4007
TECHNICAL CHARACTERISTICS			
function/type		for 1 A or 3 A diodes	with 1 A or 3 A diode
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 (*) / 1 (3) A / A4	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	6 KV (*) / 3
insulation stripping length	(mm)	11	11
tightening torque value (test / max)	(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		KEMA KEUR, IMQ, Enel Distribution DV 27/6	KEMA KEUR
ACCESSORIES		**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections	grey	**SFR/PT/GR** SF701GR	**SFR/PT/GR** SF701GR
	beige	**SFR/PT** SF701	**SFR/PT** SF701
	blue	**SFR/PT (Ex)i** SF801	**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..	**DFU/3** DU03..
Cross connection barrier	red	-	-
Test plug socket		-	-
Test plug		-	-
Numbering strip		-	-
Miniature fuse		-	**F5** FN...
Conducting element		-	-
Cartridge / insert with 1 A diode		**SFR/I1A** (with 1 A diode) SF992	**SFR/I1A** (with 1 A diode) SF992
Cartridge / insert with 3 A diode		**SFR/I3A** (with 3 A diode) SF993	**SFR/I3A** (with 3 A diode) SF993
Marking tag	printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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

With electronic components



- with cross-connection possibility
- universal mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 standard
- two and three level circuits with bidirectional suppressor diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675. 1989
- overvoltage category <1.5 kV, I (DIN VDE 0110.1)
- available in grey and beige

The **DAS.4...D** terminal blocks with suppressor diodes inserted as in **diagram 3**, limit voltage peaks due to surges, electrostatic discharges and switching of inductive loads, and enable the equipment to pass the tests on immunity to electromagnetic interferences 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 suppressor diodes have an intervention time (<1 ns) much faster than the intervention time of varistors (approximately 25 ns) and a lower and more precise intervention voltage, but compared to these withstand lower discharge currents.

The great precision of the intervention voltage and the great speed, makes them suitable for protecting industrial PLC, DCS, PC I/O signal ports, against voltage interferences and discharge currents lower than 500A impulse 8/20µs. This type of interference is usually caused by the normal operation of the plants themselves, owing to the switching of strong inductive loads, dispersed currents, faults, etc...

The range of models available makes it possible to choose between nominal voltages suitable for protecting signals with standard voltages of 5Vdc, 12Vdc, 24Vdc and 60Vdc. The **DAS.4...D** connected as in **diagram 4** is an effective protection against differential mode interferences for industrial PLC, DCS, PC inputs and outputs, signal conditioners and sensors, and also for stabilised direct current power supplies of electronic equipment in general.
The **DAS.4...D** does not have a signal wiring direction to be observed, as also the connection of the positive and negative polarities can be made either on the lower or the upper level.

Differential mode interference (diagram 5): these generate a great difference of potential between the two conductors of a signal (positive and negative of the twisted pair) or of a power supply, and as they are applied directly to the input/output circuits of the device, they always cause a fault in the same.

Common mode interference (diagram 6): these generate a great difference of potential between the two signal or power supply conductors and the reference earth. They are less destructive than differential mode interferences.

Caution: inserting surge protection devices with varistors, diodes and other components between the signal and/or power supply conductors and the protection earth reduces the insulation voltage approximately to the V breakdown value of the discharger used; to perform insulation tests on the equipment, disconnect the dischargers (IEC EN 60950 Standard).

grey version	DAS.4/6/D.../GR
beige version	**DAS.4/6/D...**
ACCESSORIES	**Type** / **Cat. No.**
End sections — grey / beige / blue	**DAS/PT/GR** DS101GR **DAS/PT** DS101
Permanent cross connection (pre-assembled)	-
Switchable cross connection	**PM/41/2** poles PM412 **PM/51/3** poles PM513 **PM/51/5** poles PM515 **PM/51/10** poles PM510
Multiple common bar — 250 mm	**POS/43** POS43
Shunting screw and sleeve	**PMP/58** PMP58
Coloured partition — red, green, white	**CPM/01** CPM01
Cross connection barrier — red	**DFU/7** DU07..
Test plug socket	-
Test plug	**PSD/A** PD001
Modular test plug	**SDD/1** DD001
End section for modular test plug	-
Numbering strip	-
Warning plate — on adjacent terminal blocks	**CNU/8/61** NU0861
Cover for cross-connections — red, blue or white	-
Marking tag — printed or blank	**PRP/5** PRP05
End bracket	**CNU/8/51** NU0851 **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

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.

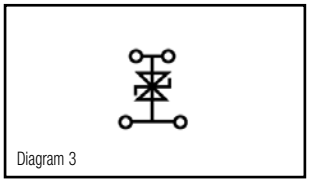


Diagram 3

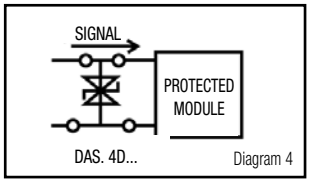


Diagram 4

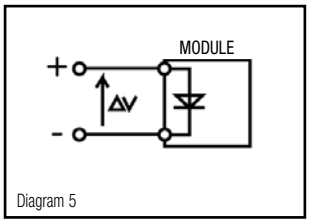


Diagram 5

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

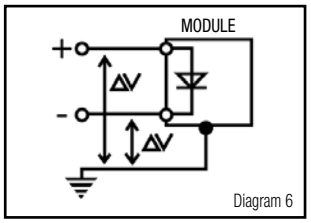


Diagram 6

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

With electronic components

- with cross-connection possibility on lower level
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- two and three level circuits with bidirectional suppressor diode
- protection against overvoltage, transistor, pulse jamming
- class D protection according to standard DIN VDE 0675
- overvoltage category <1.5 kV, I (DIN VDE 0110.1)
- available in grey and beige

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

grey version	**DAS.4/D.../GR**
beige version	**DAS.4/D...**
TECHNICAL CHARACTERISTICS	
function/type	diagram
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 / max) (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

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**	**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	5	12	24	60
Vdc max. (Vcc)	6.45	15.2	28.5	77.9
Vac max.	-	-	-	-
Breakdown voltage(1 mA)	6.8 V ± 5%	16 V ± 5%	30 V ± 5%	82 V ± 5%
Max clamping voltage (V)	11	23	41	113
Response time	< 1 ns	< 1 ns	< 1 ns	< 1 ns
ISC pulse /20 µs (A)	750	350	160	70
C (1 kHz)	5 nF	3 nF	1.5 nF	0.6 nF

With electronic components

- two and three level circuits with varistor
- with 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, I (acc. to DIN VDE 0110.1)
- available in grey and beige

The **DAS.4V...** terminal blocks with varistor inserted as in **diagram 1**, limit voltage peaks due to surges, indirect atmospheric discharges and switching of inductive loads, and enable the equipment to pass the tests on immunity to electromagnetic interferences defined by the EN 61000-4-2 (Electrostatic discharge), EN 61000-4-4 (Fast Transient/Burst) and EN 61000-4-5 (Surge Test) Standards.

Varistors have an intervention time (20-25 ns) much longer than the intervention time of suppressor diodes (<1 ns) and a higher intervention voltage, but compared to these withstand higher discharge currents. The high discharge current makes them suitable for use in the presence of strong transients, with currents of up to 4500 A impulse 8/20 s.

The range of models available makes it possible to choose between nominal voltages suitable for protecting both signals and power supplies with standard voltages of 24 V DC, 48 V DC, or for power supply voltages of 120 V AC and 230 V AC.

The **DAS.4V...** connected as in **diagram 2** is an effective protection against differential mode interferences for industrial PLC, DCS, PC inputs and outputs, signal conditioners and sensors, and also for power supplies of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to be observed, as also the connection of the positive and negative polarities can be made either on the lower or the upper level.

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

grey version	**DAS.4/V.../GR**
beige version	**DAS.4/V...**
TECHNICAL CHARACTERISTICS	
function/type	diagram
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 / max) (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 KEMA KEUR

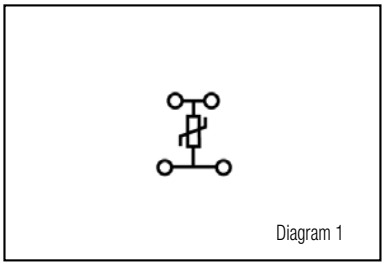


Diagram 1

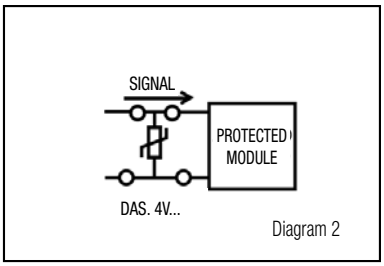


Diagram 2

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 V AC	60 V AC	140 V AC	275 V AC
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 /20 µs (A)	500	2500	2500	2500
C (1 kHz)	4600 pF	1650 pF	610 pF	320 pF

With electronic components

- two and three level circuits
- possibility to perform cross-connections on both lower and upper levels (DAS.4/A and DAS.4/B; other versions only lower level))
- available in grey and beige

DAS.4/C terminal block

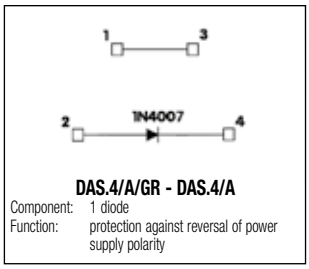
*The **/GR** tag indicates the grey version.*

grey version	**DAS.4/.../GR** Cat. No.	**DS...GR**
beige version	**DAS.4/...** Cat. No.	**DS...**
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 (*) / - / 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 / max)	(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

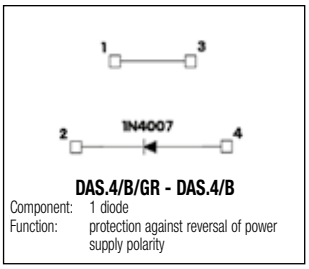
c UL us KEMA KEUR

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		**CNU/8/61**	NU0861
Warning plate	on adjacent terminal blocks	-	
Cover for cross-connections	red, blue or white	**PRP/5**	PRP05
Marking tag	printed or blank	**CNU/8/51**	NU0851
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



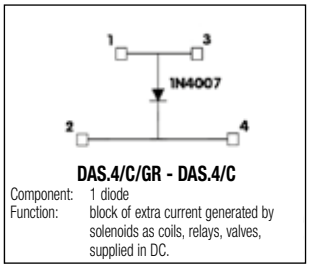
DAS.4/A/GR - DAS.4/A
Component: 1 diode
Function: protection against reversal of power supply polarity

Code DS111GR - DS111



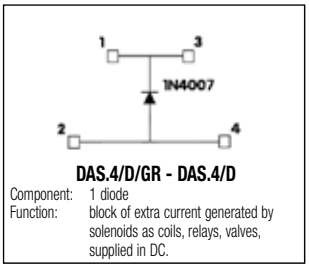
DAS.4/B/GR - DAS.4/B
Component: 1 diode
Function: protection against reversal of power supply polarity

Code DS112GR - DS112



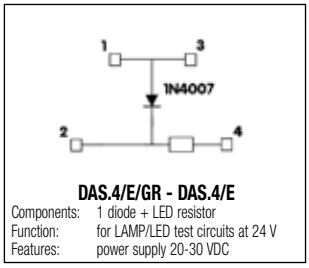
DAS.4/C/GR - DAS.4/C
Component: 1 diode
Function: block of extra current generated by solenoids as coils, relays, valves, supplied in DC.

Code DS113GR - DS113



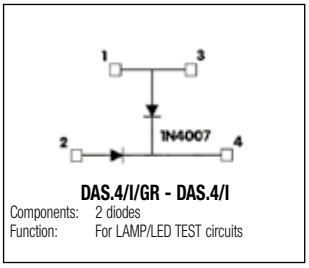
DAS.4/D/GR - DAS.4/D
Component: 1 diode
Function: block of extra current generated by solenoids as coils, relays, valves, supplied in DC.

Code DS114GR - DS114



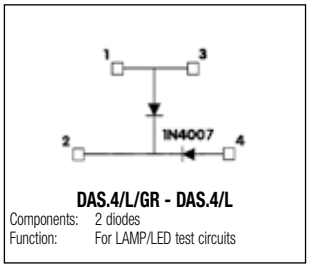
DAS.4/E/GR - DAS.4/E
Components: 1 diode + LED resistor
Function: for LAMP/LED test circuits at 24 V
Features: power supply 20-30 VDC

Code DS115GR - DS115



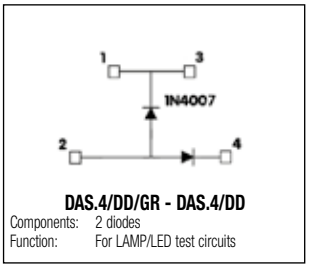
DAS.4/I/GR - DAS.4/I
Components: 2 diodes
Function: For LAMP/LED TEST circuits

Code DS119GR - DS119



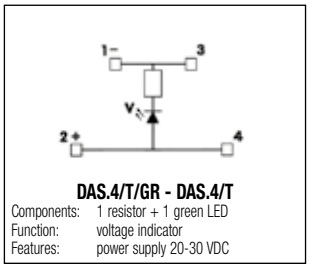
DAS.4/L/GR - DAS.4/L
Components: 2 diodes
Function: For LAMP/LED test circuits

Code DS130GR - DS130



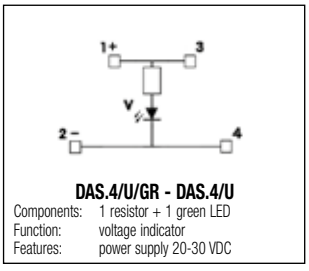
DAS.4/DD/GR - DAS.4/DD
Components: 2 diodes
Function: For LAMP/LED test circuits

Code DS120GR - DS120



DAS.4/T/GR - DAS.4/T
Components: 1 resistor + 1 green LED
Function: voltage indicator
Features: power supply 20-30 VDC

Code DS128GR - DS128



DAS.4/U/GR - DAS.4/U
Components: 1 resistor + 1 green LED
Function: voltage indicator
Features: power supply 20-30 VDC

Code 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 flat push-on tab connections
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in beige
- maximum operating temperature 100°C

6.3 x 0.8 mm flat push-on tab connections compliant with the IEC 60760 Standard

6.3 x 0.8 mm flat push-on tab connections compliant with the IEC 60760 Standard

with 1.6 x 0.8 mm lug for wrapped wire connections

AFO.2/2+2/TPM Code AF420
with 2.4 x 0.8 mm lug for connections to clamp or to twisted wire

beige version	**AFO.2/1+1** Cat. No. **AF500**	**AFO.2/2+2** Cat. No. **AF400**	**AFO.2/2+2/TP** Cat. No. **AF410**
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 / max) (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, EAC	c UL us, KEMA KEUR, EAC	c UL us, KEMA KEUR, EAC

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	grey	**AFO/PT**	AF201	**AFO/PT**	AF201	**AFO/PT**	AF201
	beige						
	blue						
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		-		-		-	
Cover for cross-connection		-		-		-	
Warning plate		-		-		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

With special connections

- with flat push-on tab connections
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in beige and grey, where indicated
- maximum operating temperature 100°C

6.3 x 0.8 mm, or 2.8 x 0.8 mm, flat push-on tab connections compliant with the IEC 60760 Standard

Cross-connection possibility

6.3 x 0.8 mm, or 2.8 x 0.8 mm, flat push-on tab connections, compliant with the IEC 60760 Standard

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

grey version	**PDF.2/GR** Cat. No. **PF100GR**	**FDP.2/GR** Cat. No. **FD100GR**	**CVF.4/GR** Cat. No. **CV100 GR**
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 for push-on tab connections	feed-through for push-on tab connections	feed-through 1 screw and 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 / 4.4 lb.in
(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 / max) (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	cULus KEMA KEUR	cULus KEMA KEUR	cULus KEMA KEUR

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End section	grey beige blue	**PDF/PT/GR** **PDF/PT**	PF101GR PF101	**FDP/PT/GR** **FDP/PT**	FD101GR FD101	**CVF/PT/GR** **CVF/PT** **CVF/PT (Ex)i**	CV101GR CV101 CV201
Permanent cross connection (pre-assembled)		-		**PH/2.5-4**	PH100	**PM/40/2** poles **PM/584/42** poles	PM402 PM584
Switchable cross connection		-		-		-	
Multiple common bar	250 mm	-		-		**PMP/58**	PMP58
Shunting screw and sleeve		-		-		**CPM/12**	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		-		-		**CNU/8/61**	NU0861
Cover for connections		-		-		-	
Warning plate		-		-		-	
Marking tag	numbered or neutral	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
End bracket		**BTU** for PR/DIN and PR/3 **BT/DIN/PO** only for PR/DIN **BT/3-BTO** only for PR/3	BT005 BT001 BT003-BT007	**BTU** for PR/DIN and PR/3 **BT/DIN/PO** only for PR/DIN **BT/3-BTO** only for PR/3	BT005 BT001 BT003-BT007	**BTU** for PR/DIN and PR/3 **BT/DIN/PO** only for PR/DIN **BT/3-BTO** only for PR/3	BT005 BT001 BT003-BT007

For thermocouples

- for thermocouple circuits
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- Certificate **CESI 02 ATEX 134 U** EX e I M2 / II 2 G D operating temperature range: -40 – +80 °C
- maximum operating temperature 100°C

	TC/PO Cat. No. **TC500**	**TC/PO/GR** Cat. No. **TC500GR**	**TC/PO (Ex)i** Cat. No. **TC510**
standard version			
grey version			
(Ex)i version			
TECHNICAL CHARACTERISTICS			
function/type		for thermocouple circuits	
rated cross-section	(mm²)	-	
connecting capacity			
flexible	(mm²)	-	
rigid	(mm²)	Ø 0.8–1.3 mm thermocouples	
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 / 5.5 lb.in.	
(Ex e) rated voltage ⊏⊐ / ⌐¬	(V)	400 V / 630 V / <1A	
rated impulse withstand voltage / pollution degree		8 KV / 3	
insulation stripping length	(mm)	20	
tightening torque value (test / max)	(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		c UL us KEMA KEUR Ex EAC Ex	

ACCESSORIES		**Type**	**Cat. No.**
End sections	beige grey blue	**CB2/PT** **CB2/PT/GR** **CB2/PT (Ex)i**	CB111 CB111GR 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		-	
Cover for cross-connection		-	
Warning plate		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851
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

terminal block suitable for connecting any type of conductor for thermocouple circuits. In fact it is possible, thanks to the excellent electrical contact that results from it, **to clamp thermocouples of any type without interposing any compensation material.** Besides the management of a single article, this solution permits the reduction of the contact points in the overall circuit.

The range of diameters of the conductors connectable, to make the connection in question fully effective and permanent, must be between 0.8 and 1.3 mm.

The thermocouple circuits, also of a different diameter, stripped of the insulating sleeve for a length of 20 mm, must be placed one on top of another in the terminal block so as to enable the direct passage of thermoelectric E.M.F. without going through a metal body, as happens in normal circuits.

With the double clamping, ensured by two screws and by the interposition of the pressure plate, the possibility of EMFs determined by the non-uniformity of the contacts is reduced almost to zero.

With special connections

- for female connectors pitch 5.08 mm
- double possible insertion of the “Easy Bridge” multi-polar connection - PTC cross connection
- universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- available in grey
- maximum operating temperature 100°C

For the isolation figures with cross connections refer to the table on page 131

Detail with PTC jumpers and barriers

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

(*) current on the shank

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

grey version	**VPC.2/GR** Cat. No. **VP300GR**
(Ex)i version	**VPC.2 (Ex)i** Cat. No. **VP310**
TECHNICAL CHARACTERISTICS	
function/type	1 screw connection and 2 pins or 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 / max) (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

c UL us — KEMA KEUR

ACCESSORIES

		Type	Cat. No.
End sections	grey	**VPC/PT/GR**	VP101GR
	blue	**VPC/PT**	VP101
		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		-	
Jumper barrier		**DFM/300**	DF300
Shunting screw and sleeve		-	
Coloured partition	red, green, white	**DFU/5**	DU05
Perforated barrier	grey	**DF/VPC/GR**	DU02SGR
	beige	**DF/VPC**	DU02S
Test plug socket		-	
Test plug		-	
Numbering strip		-	
Cover for cable lugs		**VPC/VT**	VP102
Flange		**VPC/PTF**	VP303
Marking tag	printed or blank	**CNU/8/51**	NU0851
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

5.08 mm pitch female connectors are available – 90°, with number of poles from 2 up to 16. The connector is easily inserted pressing it up to the stop position, guaranteeing optimal connection on the male contact. In this position the connector is hooked onto the insulating body with the holding tooth with which it is fitted.

VPC/F02 - 2 poles	Code	**VP902**
VPC/F03 - 3 poles	Code	**VP903**
VPC/F04 - 4 poles	Code	**VP904**
VPC/F05 - 5 poles	Code	**VP905**
VPC/F06 - 6 poles	Code	**VP906**
VPC/F07 - 7 poles	Code	**VP907**
VPC/F08 - 8 poles	Code	**VP908**
VPC/F09 - 9 poles	Code	**VP909**
VPC/F10 -10 poles	Code	**VP910**
VPC/F11 -11 poles	Code	**VP911**
VPC/F12 -12 poles	Code	**VP912**
VPC/F13 -13 poles	Code	**VP913**
VPC/F14 -14 poles	Code	**VP914**
VPC/F15 -15 poles	Code	**VP915**
VPC/F16 -16 poles	Code	**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 even more secure fixing of the connector it is possible to use connectors specifically fitted with locking screws on the side. In this case it is necessary to place a **VPC/PTF** (code VP303) flange alongside, to the right and left of the block of VPC.2 terminal blocks. If the set thus made up proposes a flange with external connection stalks it is necessary to add a **VPC/PT** terminal plate, or to eliminate the stalks themselves using a cutter. For reasons of safety the connectors must be handled only in the absence of load.

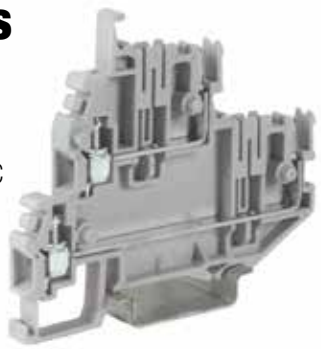
Use of the barrier **DF/VPC** (code DU02S), for physical and/or visual separation of blocks of terminal blocks, does not affect the possibility of creating parallel cross connections.

The terminal block can be supplied also in the version with a warning light (VPC/L024). In this case a collector bar (dimensions 7 x 1 x 250 mm), for the common return of a LED (red – 24V), must be inserted in the specific seat on the side of the insulating body of the group of terminal blocks side-by-side and connected via a power supply terminal block **VPC.2 (Ex)i/D** (code VP400). The power supply terminal block VPC.2 (Ex)i/D is a variant of the VPC.2(Ex)i terminal block equipped with a diode 1N4007.

A transparent cover to protect the male shanks from accidental contacts is supplied as an accessory (**VPC/VT** code VP102) in a 10-pole stick, easily dividable to obtain the number of poles necessary. It snaps into the special seat provided on the insulating bar; the insertion point works as a fulcrum for the rotation of the protection from the closed position (position which is guaranteed by a stopper) to open (for inserting the connector). It is made of transparent material to ensure a view of both the connection type (closed pos.) and the LED, in open position and with the connector inserted.

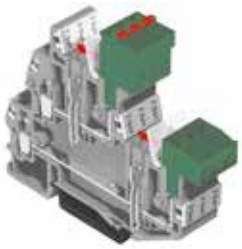
With special connections

- for female connectors pitch 5.08 mm – on 2 levels
- universal mounting onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- double possible insertion of the “Easy Bridge” multi-polar connection system - PTC cross connection, on each of the two levels
- available in grey
- maximum operating temperature 100°C



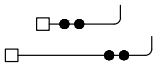
For the isolation figures with cross connections refer to the table on page 131

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 shank

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

grey version	**VPD.2/GR** Cat. No. **VP500GR**
(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 / max) (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	- / - / -
APPROVALS	c UL us KEMA KEUR

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
Jumper barrier		**DFM/300**	DF300
Test plug socket		-	
Test plug		-	
Numbering strip		-	
Cover for cable lugs		**VPD/VT**	VP502
Flange		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851
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

5.08 mm pitch - 90° female connectors are available, with from 2 up to 16 poles. The connector is easily inserted pressing it up to the stop position, guaranteeing optimal connection on the male contact. In this position the connector is hooked onto the insulating body with the holding tooth, with which it is fitted.

VPC/F02 -2 poles	Code	**VP902**
VPC/F03 -3 poles	Code	**VP903**
VPC/F04 -4 poles	Code	**VP904**
VPC/F05 -5 poles	Code	**VP905**
VPC/F06 -6 poles	Code	**VP906**
VPC/F07 -7 poles	Code	**VP907**
VPC/F08 -8 poles	Code	**VP908**
VPC/F09 -9 poles	Code	**VP909**
VPC/F10 -10 poles	Code	**VP910**
VPC/F11 -11 poles	Code	**VP911**
VPC/F12 -12 poles	Code	**VP912**
VPC/F13 -13 poles	Code	**VP913**
VPC/F14 -14 poles	Code	**VP914**
VPC/F15 -15 poles	Code	**VP915**
VPC/F16 -16 poles	Code	**VP916**

MAC Series

- for CAM type modular connectors
- mounting on PR/DIN and PR/3 rails which meet the IEC 60715 standard, “G32” and TH/35 types
- available in: beige
- available on request
- maximum operating temperature 100°C

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

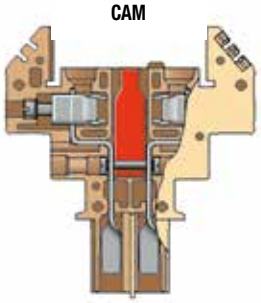
Version without disconnect lever suitable for the permanent use with CAM connector

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

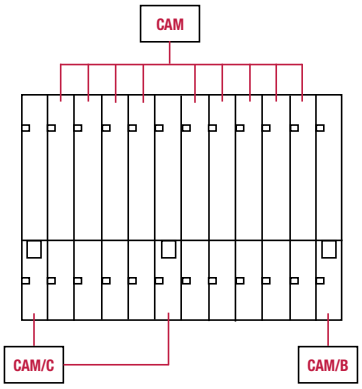
beige version	**MAC.6** Cat. No. **MA100**	**MAC.6/FS** Cat. No. **MA410**	**MAC.6/N** Cat. No. **MA200**
TECHNICAL CHARACTERISTICS			
function/type	disconnect lever	for Ø 5 x 20 mm fuse	without disconnect lever for use with CAM connector
rated cross-section (mm²)	6	6	6
connecting capacity			
flexible (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 / 13.3 lb.in	600 V / 8 A / 20-10 AWG / 13.3 lb.in	600 V (*) / 16 A / 20-10 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)	14	14	14
tightening torque value (test / max) (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 Distribution DV 27/8	c UL us, KEMA KEUR
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/3** poles PIL03 **PIL/4** poles PIL04 **PIL/8** poles PIL08	**PIL/2** poles PIL02 **PIL/3** poles PIL03 **PIL/4** poles PIL04 **PIL/8** poles PIL08	**PIL/2** poles PIL02 **PIL/3** poles PIL03 **PIL/4** poles PIL04 **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** DD001	-	**SDD/1** DD001
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/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
End bracket	**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	**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	**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

CAM shunting elements

- for use with MAC Series terminal blocks
- available on request
- maximum operating temperature 100°C



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 / 8.9 lb.in
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	12
tightening torque value (test / max) (Nm)	-
height / width / thickness TH/35 7.5 mm	-
height / width / thickness TH/35 15 mm	-
height / width / thickness G32	-



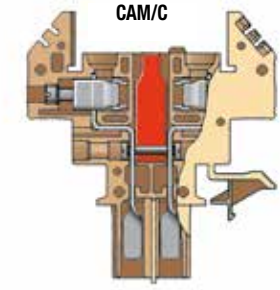
example of the derivation connector composition

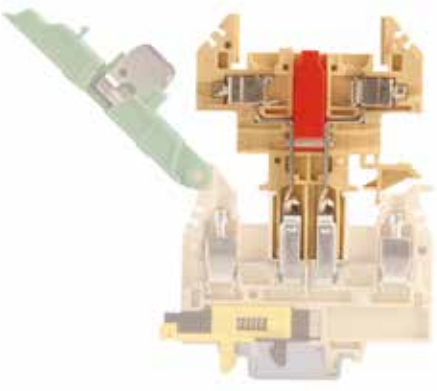
APPROVALS

c UL us KEMA KEUR

ACCESSORIES	
Shunting connection	beige
Pole lock	
Safety cover	

Type	Cat. No.
MAC/COS	MA030
MAC/PLZ	MA010
MAC/CP8	MA040



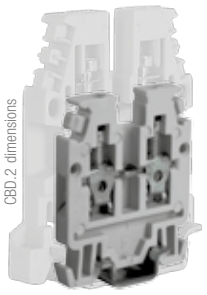


CAM insertion

CAM connector inserted into MAC composed terminal block

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

Mini terminal blocks



- mounted onto PR/2 rails, TH/15 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue).
- **RP.4 and RN.2 terminal block:** certificate **CESI 03 ATEX 073 U** Ex e I M2 / II 2 G D temperature range of use: -40 – +80 °C
- **Coc IEC Ex CES 11.0009U Ex e II**
- maximum operating temperature 100°C

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

standard version	**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 / 4.5 lb.in	300 V / 20 A / 20–12 AWG / 3.5 lb.in	600 V / 30 A / 20-10 AWG / 4.4 lb.in
(Ex e) rated voltage ⊏⊐ / ⌒ (V)	-	320 V / 24 A	320 V / 32 A
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 / max) (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			

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
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**	CPM16	**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	**CNU/8/51**	NU0851	**CNU/8/61**	NU0861
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/8/51**	NU0851	**CNU/8/51**	NU0851
End bracket	**BT/2**	BT006	**BT/2**	BT006	**BT/2**	BT006
	-		-		-	
	-		-		-	

Mini terminal blocks

- mounted onto PR/2 rails, TH/15 type
- **TR.2 and TR.4 terminal block:** certificate **CESI 03 ATEX 022 U** Ex e I M2 / II 2 G D temperature range of use: -40 – +80 °C
- available in grey
- **Coc IEC Ex CES 11.0004U Ex e II**
- maximum operating temperature 100°C

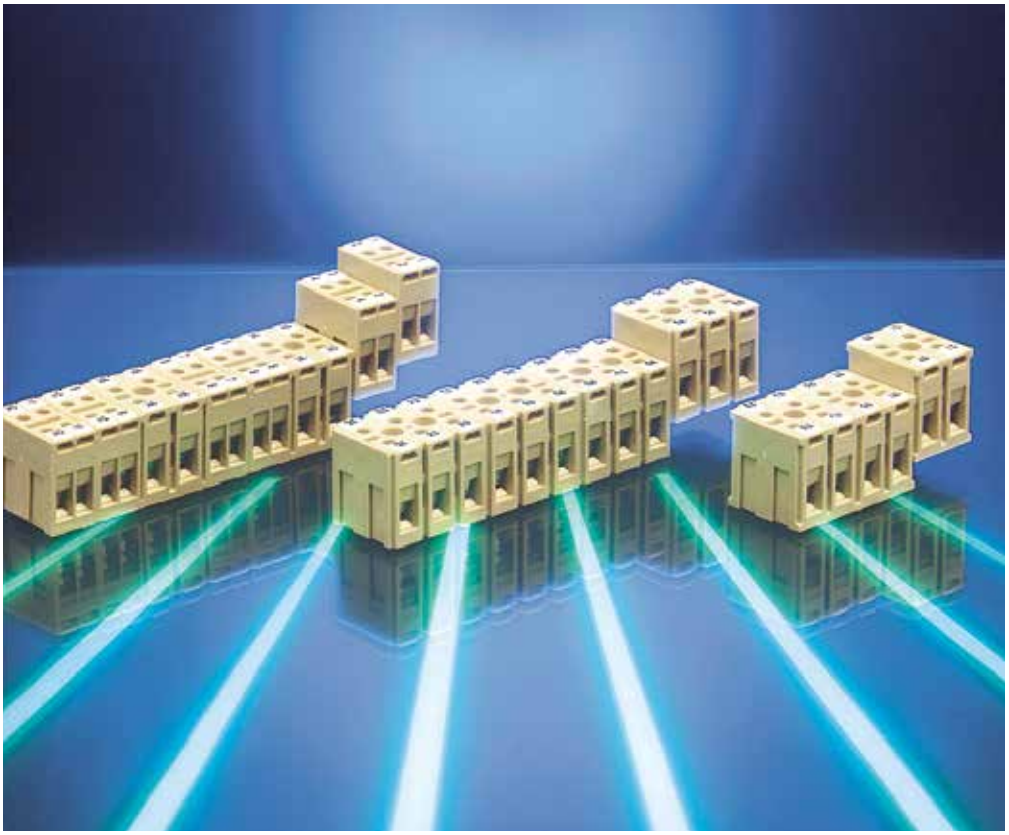
Two 6.3 x 0.8 mm or four 2.8 x 0.8 mm flat push-on tab connections compliant with IEC 60760

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

standard version	**RFI.2/GR** Cat. No. **RF110GR**	**TR.2** Cat. No. **TR110**	**TR.4** Cat. No. **TR200**
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)	up to 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 / 3.5 lb.in	- / - / 20-10 AWG / 5.5 lb.in
(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 / max) (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			

ACCESSORIES		**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections	grey	**RFN/PT/GR**	RF101GR	**TR.2/PT**	TR111	-	
	blue	-		-		-	
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		**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	-	
Warning plate	on adjacent terminal blocks	-		-		-	
Marking tag	printed or blank	**CNU/8/61**	NU0861	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
		-		-.		-	
End bracket		**BT/2**	BT006	**BT/2**	BT006	**BT/2**	BT006
		-		-		-	
		-		-		-	

Modular multi-pole terminal blocks



Modular multi-pole terminal blocks



- UL94V-0
- Certificate **CESI 03 ATEX 164 U** EX e I M2 / II 2 G D temperature range of use: -40 – +80 °C
- to be fixed directly on panel, by means of screws
- **Coc IEC Ex CES 11.0008U Ex e II**
- maximum operating temperature 100°C

The bipolar BPL.4, BPL/R and tripolar TPL.4 terminal boards can be fixed separately or used to lock together terminal boards with an unlimited number of poles without using supporting rails. The special "dovetail" channels, ensuring the maximum compactness of assembly, make sufficient the use of only two screws for fixing, at the end of the terminal board. The BPL.4, BPL/R and TPL.4 terminal boards are made ready for marking with NU0550-type name tags.

standard 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)	320 V	320 V	320 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 / max) (Nm)	0.5 / 0.7	0.5 / 0.7	0.5 / 0.7
fixing screws (*) (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	(*)	(*)	(*)

Normal compositions		
Number 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

- UL94V-0
- to be fixed directly on panel, by means of screws
- /PS versions, with poles holding a screw connection and a flat-plug feed-through shank (2.3 x 0.8 mm) usable also for welding
- maximum operating temperature 100°C

(*): with bearing plate thickness = 1 mm

standard 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 / max) (Nm)	0.5 / 0.7	0.5 / 0.7
fixing screws (*) (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		
Number 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:

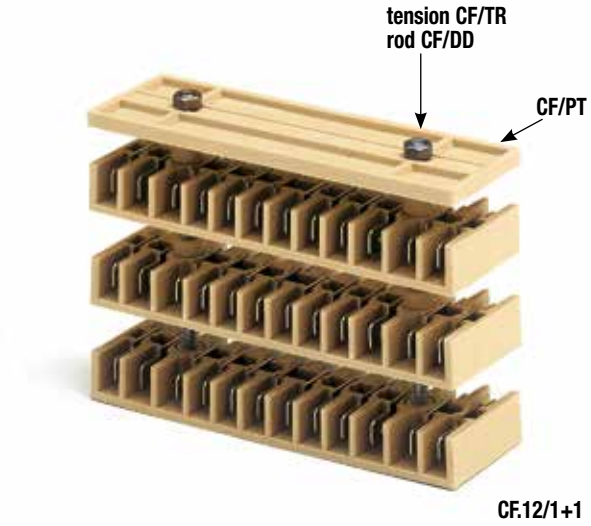
BPL.4/PS (Cat. No. BP300) - TPL.4/PS (Cat. No. TP200)
equipped with screw connections on the opposite side from the solder connections

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

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

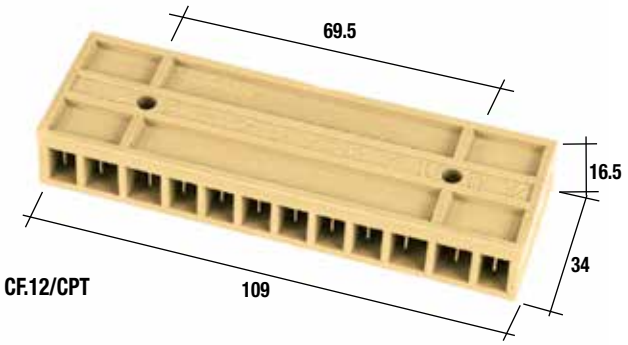
with 6.3 x 0.8 mm flat push-on tab connections (2 for each pole)

- insulating body made of UL94V-0 beige or blue polyamide
- maximum operating temperature 100°C



CF.12/1+1

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**



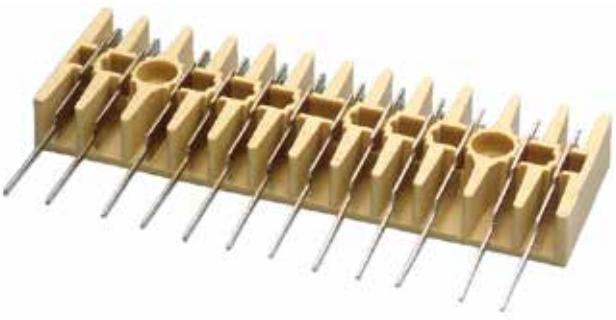
TECHNICAL CHARACTERISTICS	
rated cross-section	2.5 mm²
rated current (according to IEC 60947-7-1)	20 A
rated voltage (according to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

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 (Code CF301)
Special end section to be mounted in grooving

CF.12/FW/CPT (Code 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 (Code CFW99)



The **CF.12/1+1** terminal boards can be mounted singularly or one on top of another. In both cases the single terminal board or the terminal board located at the top of the group must be closed with the CF/PT end platelet (thickness 4 mm). Fixing to the panel beneath can be done using:

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

To ensure the maximum insulation from earth and correct mounting of the stacked terminal boards it is necessary to insert the special **bushings CF/BI** in the holes on the body of the bases. Bushings between the terminal board and the end platelet are not required because the latter is already opportunely shaped.

The above end platelet bears in relief the numbering from 1 to 12 for easy identification of the poles.
The connection plugs, completely protected from the outside and with opportune barriers between them, are made of a copper-zinc alloy, with a high percentage of copper, galvanic anti-rust and anti-corrosive protection in nickel or, on request, in silver (**CF.12/1+1/AG** Code CFA10).

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

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

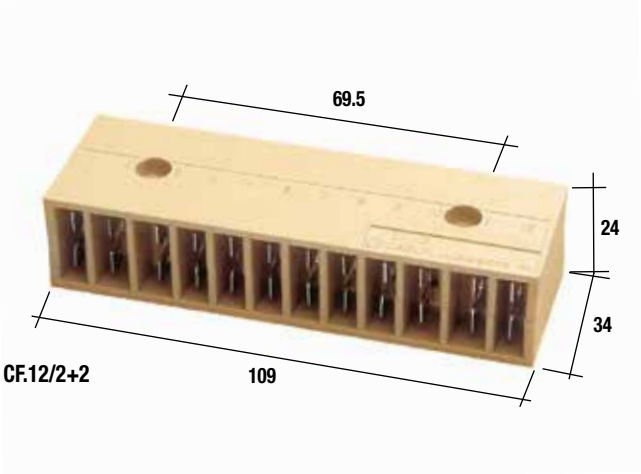
- insulating body made of UL94V-0 beige or blue polyamide
- maximum operating temperature 100°C

CF.12/2+2

Cat. No. **CF200**

TECHNICAL CHARACTERISTICS	
rated cross-section	2.5 mm²
rated current (according to IEC 60947-7-1)	20 A
rated voltage (according to IEC 60947-7-1)	500 V
rated impulse withstand voltage / pollution degree	6 KV / 3

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



The **CF.12/2+2** terminal boards can be mounted singularly or one on top of another. Fixing to the panel beneath can be done using:

- screws of an adequate length **(spacing between holes 69.5 mm)**
- M4 **threaded stay bolts**

To ensure the maximum insulation from earth and correct mounting of the stacked terminal boards it is necessary to insert the special **bushings CF/BI** in the holes on the body of the bases. To enable better clamping of the **CF/DD nuts**, in the case of use of threaded stay bolts, it is opportune to insert in the holes of the upper terminal board the **reduced bushings CF.BR**.

The **CF.12/2+2** terminal boards bear, on both bases, in relief, the numbering from 1 to 12 for easy identification of the poles.
The connection plugs, completely protected from the outside and with opportune barriers between them, are made of a copper-zinc alloy, with a high percentage of copper, galvanic anti-rust and anti-corrosive protection in nickel or, on request, in silver (CF.12/2+2/AG Code 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**

CNT Series

Neutral disconnect terminal blocks

- UL94V-0
- mounting on PR/DIN and PR/3 rails which meet the IEC 60715 standard, “G32” and TH/35 types
- in blue
- maximum operating temperature 100°C

(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	16	35
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 / max) (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	blue	**CNT6/PT**	CNT601	**CNT16/PT**	CNT161	**CNT35/PT**	CNT351
Collecting busbar support		**CNT/SU**	CNTSU	**CNT/SU**	CNTSU	**CNT/SU**	CNTSU
Coloured partition	red, green, white	**DFU/4**	DU04..	**DFU/4**	DU04..	**DFU/4**	DU04..
Numbering strip		-		-		-	
Marking tag	printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

Spring clamp and insulation displacement terminal blocks - Polyamide insulated

Spring clamp terminal blocks

• exclusively in the new grey colour

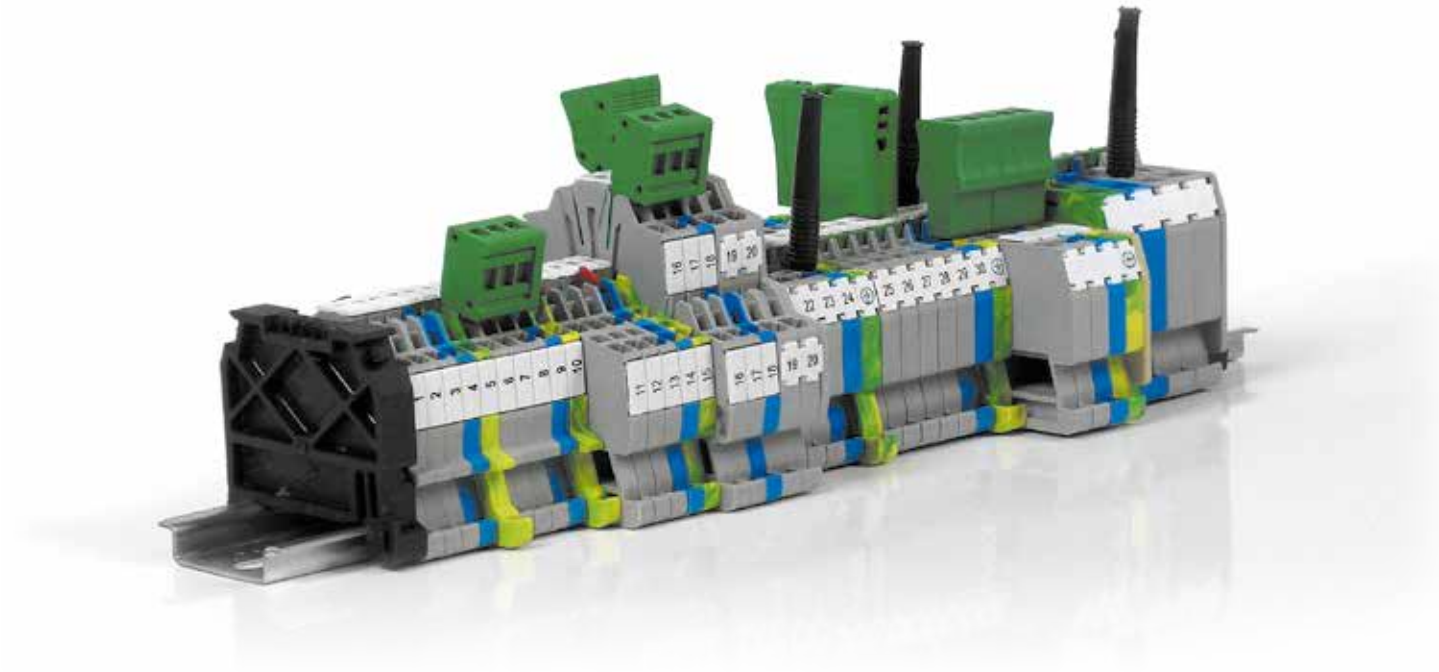
For the creation of high harness volumes, for conductors from 0.2 to 25 mm^2 and reduced current intensity values, CABUR proposes its range of spring-clamp terminal blocks, in constant evolution.
To protect the clamping system, the insulating body includes a stopper which prevents the spring from going beyond the threshold of its elastic field, if is activated by inexpert hands.
Adequate sizing of the wire introduction chamber, responding to the requirements of the IEC 60947-1 Standard, guarantees insertion of any type of conductor of the nominal size, also butted with a terminal.
The connection that results from this, in relation to the technology adopted, has the maximum reliability and safety thanks to the quality of the materials used and to the particular conformation of the components needed for the purpose, avoiding damage to the strands of the conductors in the presence of unprepared flexible wires.
The wire entry is perpendicular to the installation surface determining a further reduction of times and costs of the wiring operations above all where the spaces are particularly limited.
To connect together several contiguous elements, a practical and safe bridging system is available.
Terminal blocks with rated cross-sections of between 1.5 and 16 mm^2 have the possibility of being connected together in the most disparate ways thanks to our exclusive “Easy Bridge” rapid connection system (**PTC**), which combines efficiency, rapidity and flexibility providing at the same time a exceptional economic result; these characteristics together with the resulting **IPXXB intrinsic installation without the aid of further insulation protections** (of wires, terminal blocks and parallel connections), guarantees better connectivity than that offered by the competitors.

CNU/8

SHZ

Marking systems

In our marking system the same multiple numbering strip (**SHZ**) can be inserted on the sides of the terminal block or in the specific seats present in the upper part of the terminal block itself. This means easy identification of each terminal block from every viewing angle within the electrical panel.
The numbering can be done also with the single standard-type **CNU/8** tags.



HMM Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue5).
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

For the isolation figures with cross connections refer to the table on page 131

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

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 EUR, cULus, Enel Distribution DV 25/1, Ex, EAC Ex	KEMA EUR, cULus, Enel Distribution DV 25/1, Ex, EAC Ex	KEMA EUR, cULus, Enel Distribution DV 25/1, Ex, EAC Ex
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
End sections 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 PTC0410	**PTC/1/02** poles PTC0410	**PTC/1/02** poles PTC0410
	PTC/1/03 poles PTC0410	**PTC/1/03** poles PTC0410	**PTC/1/03** poles PTC0410
	PTC/1/05 poles PTC0410	**PTC/1/05** poles PTC0410	**PTC/1/05** poles PTC0410
	PTC/1/10 poles PTC0410	**PTC/1/10** poles PTC0410	**PTC/1/10** poles PTC0410
	PTC/1/00 (50 poles) PTC0400	**PTC/1/00** (50 poles) PTC0400	**PTC/1/00** (50 poles) PTC0400
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 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	**SHZ/1** SH004	**SHZ/1** SH004	**SHZ/1** SH004
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

HMM Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

For the isolation figures with cross connections refer to the table on page 131

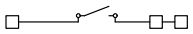
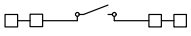
*The **/GR** tag indicates the grey version.*

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)	10	10	10
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			
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
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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	**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**
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	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
Screwdriver for 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/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003

HMM Series

- UL94V-0
- disconnects with lever
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C

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

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**
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)	10	10	10
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	cULus KEMA KEUR, Enel Distribution DV 25/6	cULus KEMA KEUR, Enel Distribution DV 25/6	cULus KEMA KEUR, Enel Distribution DV 25/6

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		**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
Screwdriver for 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/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

HMM Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e ⟨Ex⟩ and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

For the isolation figures with cross connections refer to the table on page 131

*The **/GR** tag indicates the grey 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)	12	12	12
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
End sections blue	**HMT.4/PT (Ex)i** HI251	**HMT.4/1+2/PT (Ex)i** HI211	**HMT.4/2+2/PT (Ex)i** HI221
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**PTC/5/02** poles PTC0502 **PTC/5/03** poles PTC0503 **PTC/5/05** poles PTC0505 **PTC/5/10** poles PTC0510 **PTC/5/00** (40 poles) PTC0500	**PTC/5/02** poles PTC0502 **PTC/5/03** poles PTC0503 **PTC/5/05** poles PTC0505 **PTC/5/10** poles PTC0510 **PTC/5/00** (40 poles) PTC0500	**PTC/5/02** poles PTC0502 **PTC/5/03** poles PTC0503 **PTC/5/05** poles PTC0505 **PTC/5/10** poles PTC0510 **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	**CNU/8/61** NU0861	**CNU/8/61** NU0861	**CNU/8/61** NU0861
Screwdriver for 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/8/61** NU0861	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003

HMM Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

For the isolation figures with cross connections refer to the table on page 131

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

grey version	HMM.6/GR Cat. No. HM320GR	HMM.10/GR Cat. No. HM330GR	HMM.16/GR Cat. No. HM340GR
(Ex)i version	**HMM.4 (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)	13	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 / 71 / 10	64 / 80 / 12
height / width / thickness G32	-	-	-
APPROVALS			
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/8/03** poles PTC0803 **PTC/8/05** poles PTC0805 **PTC/8/10** poles PTC0810 **PTC/8/00** (30 poles) PTC0800	**PTC/11/02** poles PTC1102 **PTC/11/03** poles PTC1103 **PTC/11/05** poles PTC1105 **PTC/11/10** poles PTC1110 **PTC/11/00** (25 poles) PTC1100	**PTC/16/02** poles PTC1602 **PTC/16/03** poles PTC1603 **PTC/16/05** poles PTC1605 **PTC/16/10** poles PTC1610 **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	-	-	-
Screwdriver for activation of the spring	**CCH/6** CCH06	**CCH/6** CCH06	**CCH/6** CCH06
Warning plate on adjacent terminal blocks	-	-	-
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003

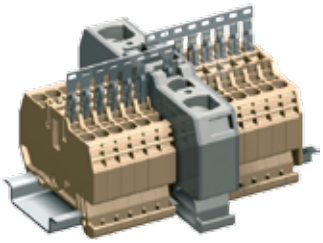
H Series

potential distributor terminal blocks

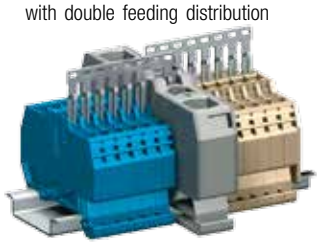
- UL94V-0
- 16 mm²
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey)
- connectable with the terminal blocks: HMM.2/GR, HMM.2/1+2/GR, HMM.2/2+2/GR, HMS.2/GR, HMFA.2/GR, HMM.4/GR, HMM.4/1+2/GR, HMM.4/2+2/GR, HMM.6/GR
- maximum operating temperature 100°C

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

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

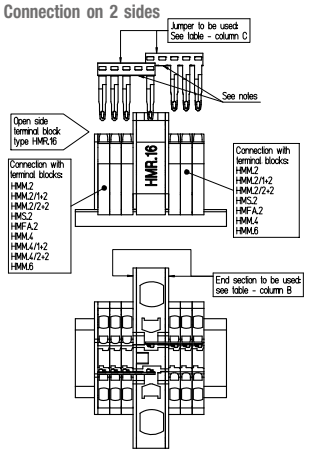


Terminal assembly with double feeding distribution

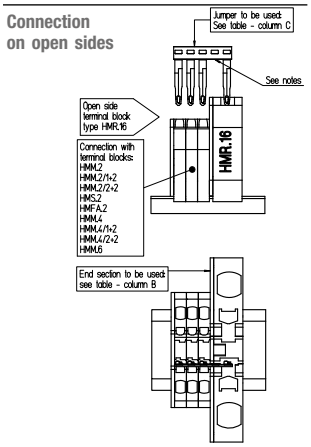


Connection diagram distributor terminal blocks HMR.16/GR a HMR.16/D/GR

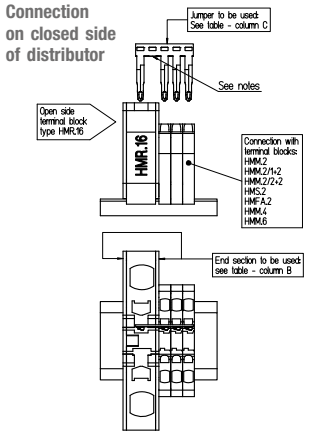
Connection on 2 sides



Connection on open sides



Connection on closed side of distributor



single power supply version

double supply version

HMR.16/GR
Cat. No. **HM350GR**

HMR.16D/GR
Cat. No. **HM360GR**

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	800 V / 76 A (*) / A7
rated voltage / rated current / AWG	UL	600 V / 18-4 AWG/ (***)
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

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 activation of the spring		**CCH/6**	CCH06
Warning plate	on adjacent terminal blocks	-	
Marking tag	printed or blank	**CNU/8/51**	NU0851
End bracket		-	
		BTU for PR/DIN and PR/3	BT005
		BTO	BT007
		BT/3 for PR/3 only	BT003

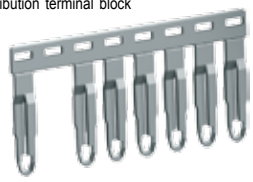
Cross-connection currents according to UL approval

Column A	Column B		Column C		
Connection to distribution T.B.	End section to be used		Jumpers that can be used		
Type	Type	Cat. No.	Type	Cat. No.	Current
HMM.2 HMM.2/1+2 HMM.2/2+2 HMS.2 HMFA.2	HMR.16-2/PT/GR	HM352GR	PTC/03/03 poles PTC/03/05 poles PTC/03/10 poles PTC/03/00 (47 poles)	PTC0303 PTC0305 PTC0310 PTC0300	15 A

Column A	Column B		Column C		
Connection to distribution T.B.	End section to be used		Jumpers that can be used		
Type	Type	Cat. No.	Type	Cat. No.	Current
HMM.4 (= HMM.4/1+2 + HMM.4/2+2)	HMR.16-4/PT/GR	HM354GR	PTC/05/03 poles PTC/05/05 poles PTC/05/10 poles PTC/05/00 (40 poles)	PTC0503 PTC0505 PTC0510 PTC0500	20 A

Column A	Column B		Column C		
Connection to distribution T.B.	End section to be used		Jumpers that can be used		
Type	Type	Cat. No.	Type	Cat. No.	Current
HMM.6	HMR.16-6/PT/GR	HM356GR	PTC/08/03 poles PTC/08/05 poles PTC/08/10 poles PTC/08/00 (30 poles)	PTC0803 PTC0805 PTC0810 PTC0800	30 A

NOTES
The number of poles to be used shall be equal to the number of terminal blocks to be connected, including the distribution terminal block +1To allow the connection to the distribution terminal block the second pin of the PTC jumper shall be trimmed off.
*Connectable only on the open side of the distribution terminal block



terminal block connected to the distributor	End section		Permanent cross connection (**)		
	ID number	Code	ID number	Code	Total current carrying capacity
HMM.2/GR **HMM.2/1+2/GR** **HMM.2/2+2/GR** **HMS.2/GR** **HMFA.2/GR**	HMR.16-2/ PT/GR ★	HM352GR	PTC/03/03 poles PTC/03/05 poles PTC/03/10 poles PTC/03/00 (47 poles)	PTC0303 PTC0305 PTC0310 PTC0300	24 A
HMM.4/GR **HMM.4/1+2/GR** **HMM.4/2+2/GR**	HMR.16-4/ PT/GR ★	HM354GR	PTC/05/03 poles PTC/05/05 poles PTC/05/10 poles PTC/05/00 (40 poles)	PTC0503 PTC0505 PTC0510 PTC0500	32 A
HMM.6/GR	HMR.16-6/ PT/GR	HM356GR	PTC/08/03 poles PTC/08/05 poles PTC/08/10 poles PTC/08/00 (30 poles)	PTC0803 PTC0805 PTC0810 PTC0800	41 A

★ "Easy Bridge" (PTC) coupling cross connection system (intrinsically IPXXB when mounted)
Available also in coloured version (PTP)
Ref. p. 131

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

The number of poles of the PTC jumper must be equal to to the number of terminal blocks to be cross-connected plus 1

HTE Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- earth, with yellow/green shell
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

yellow/green version	HTE.1 Cat. No. HT400	HTE.1/1+2 Cat. No. HT410	HTE.1/2+2 Cat. No. HT420
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
End sections blue	-	-	-
Permanent cross connection	**PTC/1/02** poles PTC0410	**PTC/1/02** poles PTC0410	**PTC/1/02** poles PTC0410
	PTC/1/03 poles PTC0410	**PTC/1/03** poles PTC0410	**PTC/1/03** poles PTC0410
	PTC/1/05 poles PTC0410	**PTC/1/05** poles PTC0410	**PTC/1/05** poles PTC0410
	PTC/1/10 poles PTC0410	**PTC/1/10** poles PTC0410	**PTC/1/10** poles PTC0410
	PTC/1/00 (50 poles) PTC0400	**PTC/1/00** (50 poles) PTC0400	**PTC/1/00** (50 poles) PTC0400
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 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	**SHZ/1** SH004	**SHZ/1** SH004	**SHZ/1** SH004
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

HTE Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- earth, with yellow/green shell
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

standard version	HTE.2 Cat. No. HT500	HTE.2/1+2 Cat. No. HT510	HTE.2/2+2 Cat. No. HT520
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)	10	10	10
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
End sections blue	-	-	-
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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	**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**
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	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
Screwdriver for 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/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003

HTE Series

- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- earth, with yellow/green shell
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

standard version	HTE.4 Cat. No. HT250	HTE.4/1+2 Cat. No. HT260	HTE.4/2+2 Cat. No. HT270
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)	12	12	12
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
End sections blue	-	-	-
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**PTC/5/02** poles PTC0502 **PTC/5/03** poles PTC0503 **PTC/5/05** poles PTC0505 **PTC/5/10** poles PTC0510 **PTC/5/00** (40 poles) PTC0500	**PTC/5/02** poles PTC0502 **PTC/5/03** poles PTC0503 **PTC/5/05** poles PTC0505 **PTC/5/10** poles PTC0510 **PTC/5/00** (40 poles) PTC0500	**PTC/5/02** poles PTC0502 **PTC/5/03** poles PTC0503 **PTC/5/05** poles PTC0505 **PTC/5/10** poles PTC0510 **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	**CNU/8/61** NU0861	**CNU/8/61** NU0861	**CNU/8/61** NU0861
Screwdriver for 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/8/61** NU0861	**CNU/8/61** NU0861	**CNU/8/61** NU0861
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	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003

HTE Series

- UL94V-0
- mountingd onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- earth, with yellow/green shell
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

standard version	HTE.6 Cat. No. HT320	HTE.10 Cat. No. HT330	HTE.16 Cat. No. HT340
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)	13	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			
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey / blue	**HMT.6/PT/GR** HM321GR -	**HMT.10/PT** HM331GR -	**HMT.16/PT** HM341GR -
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**PTC/8/02** poles PTC0802 **PTC/8/03** poles PTC0803 **PTC/8/05** poles PTC0805 **PTC/8/10** poles PTC0810 **PTC/8/00** (30 poles) PTC0800	**PTC/11/02** poles PTC1102 **PTC/11/03** poles PTC1103 **PTC/11/05** poles PTC1105 **PTC/11/10** poles PTC1110 **PTC/11/00** (25 poles) PTC1100	**PTC/16/02** poles PTC1602 **PTC/16/03** poles PTC1603 **PTC/16/05** poles PTC1605 **PTC/16/10** poles PTC1610 **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	-	-	-
Screwdriver for activation of the spring	**CCH/6** CCH06	**CCH/6** CCH06	**CCH/6** CCH06
Warning plate on adjacent terminal blocks	-	-	-
Marking tag printed or blank	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
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	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003

H Series

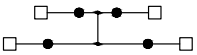
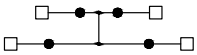
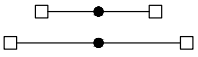
- UL94V-0
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- double possible insertion of the "Easy Bridge" multi-polar connection system - PTC cross connection, on each of the two levels
- available in the standard version (grey) or in a version appropriate for use with "intrinsically safe" (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e
  and I M2 Ex e I Mb II 2G Ex e IIC Gb
  certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

detail of PTC jumper and DFM barrier with numbering

detail of composable test plug

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

Please refer to the table on page 131 in order to detemine the insulation voltage of the different PTC connection diagrams

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**	
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	600 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

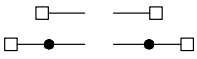
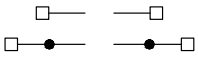
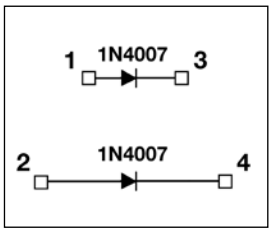
ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections grey	**HMD.1/PT/GR**	HD201GR	**HMD.1/PT/GR**	HD201GR	**HMD/PT/GR**	HD101GR
blue	**HMD.1/PT (Ex)i**	HD301	**HMD.1/PT (Ex)i**	HD301	-	
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**PTC/1/02** poles	PTC0410	**PTC/03/02** poles	PTC0302	**PH/2.5-4**	PH100
	PTC/1/03 poles	PTC0410	**PTC/03/03** poles	PTC0303	**PHD/2**	PHD02
	PTC/1/05 poles	PTC0410	**PTC/03/05** poles	PTC0305		
	PTC/1/10 poles	PTC0410	**PTC/03/10** poles	PTC0310		
	PTC/1/00 (50 poles)	PTC0400	**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 connection (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	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
Screwdriver for 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	**SHZ/1**	SH004	**CNU/8/51**	NU0851	**CNU/8/51** (only on lower level)	NU0851
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

H Series

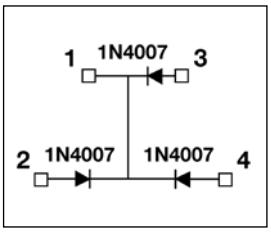
- UL94V-0
- versions made ready for housing electronic components
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C

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

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

grey version	HMD.1/X/GR Cat. No. **HD130GR**	HMD.2N/X/GR Cat. No. **HD440GR**	HMD.2N/DD/GR Cat. No. **HD420GR**
TECHNICAL CHARACTERISTICS			
function/type	two level, arranged to contain electronic components	two level, arranged to contain electronic components	version equipped with two 1N4007 diodes in feed-through configuration for each level
rated cross-section (mm²)	1.5	2.5	
connecting capacity			
flexible (mm²)	0.2–2.5	0.2–2.5	
rigid (mm²)	0.2–2.5	0.2–2.5	
max. flexible with ferrule (mm²) - 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	-	-	
APPROVALS	cULus KEMA KEUR	cULus KEMA KEUR	
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	
End sections grey / beige	**HMD.1/PT/GR** HD201GR -	**HMD.1/PT/GR** HD201GR -	
Permanent cross connection (intrinsically IPXXB protected once mounted)	**PTC/1/02** poles PTC0410 **PTC/1/03** poles PTC0410 **PTC/1/05** poles PTC0410 **PTC/1/10** poles PTC0410 **PTC/1/00** (50 poles) PTC0400	**PTC/03/02** poles PTC0302 **PTC/03/03** poles PTC0303 **PTC/03/05** poles PTC0305 **PTC/03/10** poles PTC0310 **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	**CNU/8/51** NU0851	
Screwdriver for 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	**SHZ/1** SH004	**CNU/8/51** NU0851	
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	

HMD.2/3DC/GR code **HD430GR**



version equipped with three 1N4007 diodes and shared cathode

H Series

- UL94V-0
- version made ready to host the modular test plug/connector and electronic components
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C

detail of modular test plug / connector

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

max. thickness of the mounted components: 3.9 mm

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

c UL us KEMA KEUR

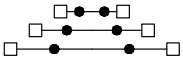
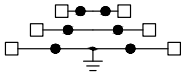
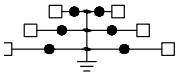
ACCESSORIES	Type	Cat. No.
End sections grey	**HMD.1/PT/GR**	HD201GR
beige	-	
Permanent cross connection (intrinsically IPXXB protected once mounted)	**PTC/03/02** poles	PTC0302
	PTC/03/03 poles	PTC0303
	PTC/03/05 poles	PTC0305
	PTC/03/10 poles	PTC0310
	PTC/03/00 (47 poles)	PTC0300
Rated current carrying capacity of jumper (A)	**24**	
Jumper marking strip 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	**CNU/8/51**	NU0851
Screwdriver for activation of the spring	**CCH/2.5-4**	CCH02
Warning plate on adjacent terminal blocks	-	
Marking tag printed or blank	**CNU/8/51**	NU0851
End bracket	**BTU** for PR/DIN and PR/3	BT005
	BTO	BT007
	BT/3 for PR/3 only	BT003

H Series

- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- with three stacked / two feed-through circuits + earth
- available in grey or earth with yellow/green shell
- patented “Easy Bridge” system: possibility of inserting modular multi-pole cross connections (PTCs), with no need for additional protections
- **HLD.2** and **HDE.2**: possibility of housing electronic components among the three levels - max. thickness of insertable components: 3.9 mm
- can be coupled together
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

For the isolation figures with cross connections refer to the table on page 131

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

	HLD.2/GR Cat. No. **HL200GR**	**HDE.2/GR** Cat. No. **HL500GR**	**HTTE.2** Cat. No. **HLT500**
grey version (/earth)			
version with internal connection	**HLD.2/CI/GR** Cat. No. **HL210GR**		
(Ex)i version	**HLD.2 (Ex)i** Cat. No. **HD510**		
TECHNICAL CHARACTERISTICS			
function/type	Three feed-through levels	Two feed-through levels + earth	Three cross-connected earth levels
rated cross-section (mm²)	2.5	2.5	2.5
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 / 24 A / B2	500 V / 24 A / B2	- / - / B2
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)	10	10	10
tightening torque value (test / max) (Nm)	-	-	-
height / width / thickness TH/35 7.5 mm	75 / 95 / 5.2	75 / 95 / 5.2	75 / 95 / 5.2
height / width / thickness TH/35 15 mm	83 / 95 / 5.2	83 / 95 / 5.2	83 / 95 / 5.2
height / width / thickness G32	-	-	-
APPROVALS			

ACCESSORIES	**Type**	**Cat. No.**	**Type**	**Cat. No.**	**Type**	**Cat. No.**
End sections grey	**HLD.2/PT/GR**	HL201GR	**HLD.2/PT/GR**	HL201GR	**HLD.2/PT/GR**	HL201GR
blue	-		-		-	
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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	-		-		-	
Jumper barrier	**DFM/500**	DF500	**DFM/500**	DF500	**DFM/500**	DF500
Coloured partition red, green, white	-		-		-	
Test plug socket	-		-		-	
Numbering strip	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
Screwdriver for activation of the spring	**CCH/2.5-4**	CCH02	**CCH/2.5-4**	CCH02	**CCH/2.5-4**	CCH02
Screw and sleeve for short-circuit plates (with socket)	-		-		-	
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
	-		-		-	
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

H Series

- UL94V-0
- disconnect by lever and by slide link
- for test and measurement circuits
- mounting onto PR/3 type rails according to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C

Terminal block with short circuit plate and test plug

For the isolation figures with cross connections refer to the table on page 131

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

grey version	HMS.2/GR Cat. No. HS200GR	HSCB.4/GR Cat. No. HB100GR	HSCB.6/GR Cat. No. HB200GR
TECHNICAL CHARACTERISTICS			
function/type	disconnect by lever	disconnect by slide link	disconnect by slide link
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	600 V / 30 A / 28-10 AWG	-
rated impulse withstand voltage / pollution degree	6 KV / 3	6 KV / 3	6 KV / 3
insulation stripping length (mm)	10	12	13
tightening torque value (test / max) (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	cULus KEMA KEUR Enel Distribution DV 25/6	cULus KEMA KEUR Enel Distribution DV 25	cULus KEMA KEUR Enel Distribution DV 25

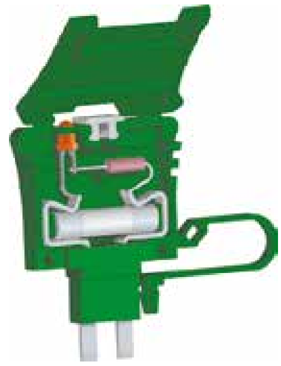
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections grey	**HMT.2/1+2/PT/GR**	HM511GR	**HSCB.4/PT/GR**	HB101GR	**HSCB.6/PT/GR**	HB201GR
beige	-		**-**		**-**	
blue	-		-		-	
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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
Jumper barrier	-		-		**DFM/500**	DF500
Internal connection	-		-		-	
Coloured partition red, green, white	**DFH/2**	DH02..	**DFH/4**	DH04..	-	
Test plug socket	-		-		**PSD/0**	PD017
Test plug	**SDD/1**	DD001	-		**SDD/1**	DD001
Modular test plug	**SDH/5**	DH005	**SDH/6**	DH006	-	
Numbering strip	**CNU/8/51**	NU0851	-		-	
Conducting element	-		-		-	
Closing element for modular test plug	**SH5/PT**	DH501	**SH6/PT**	DH601	-	
Warning element	-		-		-	
Screwdriver for 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/4/CPM**	HB405	**HSCB/6/CPM**	HB205
Short-circuit plate between 2 adjoining terminal blocks	-		**HSCB/4/PO/2**	HB403	**HSCB/6/PO/2**	HB203
between 4 adjoining terminal blocks			**HSCB/4/PO/4**	HB404	**HSCB/6/PO/4**	HB204
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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

H Series

- for “blade” fuse according to DIN 72581/3F – ISO 8820 and for Ø 5 x 20 mm fuses (all supplied separately)
- possibility of parallel connection
- mounting onto PR/3 rails conforming to IEC 60715 standard, TH/35 type
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C

Please refer to the table on page 131 in order to detemine the insulation voltage of the different PTC connection diagrams

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



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

Terminal block	Voltage [V]	Current [A]	Max. dissipated power - In conf. with IEC 60947-7-3			
			Protection against overload and short circuit		Only protection against short circuit	
			Single configuration (PV) - [W]	Composite configuration (PV) - [W]	Single configuration (PVK) - [W]	Composite configuration (PVK) - [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

grey version

TECHNICAL CHARACTERISTICS	HMFA.2/GR Cat. No. HF300GR	CPF/5 Cat. No. CPF05
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 G32 / TH/35 (V)	-	-
rated impulse withstand voltage / pollution degree	4 KV (*) / 3	4 KV / 3
insulation stripping length (mm)	10	-
tightening torque value (test / max) (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

HMFA.2/GR: Enel Distribution DV 25/5, KEMA KEUR, c UL us

CPF/5: Enel Distribution DV 25/5, KEMA KEUR, c UL us

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

ACCESSORIES

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**	
Jumper with increased pitch		-	
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-type fuses	In = 2 A	**F32/2**	FN03202
according 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
Warning element		-	
Numbering strip		**CNU/8/51**	NU0851
Screwdriver for activation of the spring		**CCH/2.5-4**	CCH02
Marking tag	printed or blank	**CNU/8/51**	NU0851
End bracket		**BTU** for PR/DIN and PR/3	BT005
		BTO	BT007
		BT/3 for PR/3 only	BT003

ACCESSORIES		Type	Cat. No.
Marking tag	printed or blank	**CNU/8/51**	NU0851
Conducting element in tin plated brass	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

VERSIONS PROVIDED		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

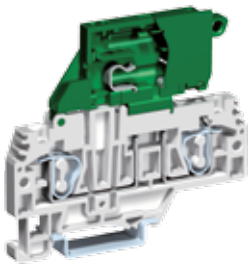
When the cartridge is mounted on HMFA 2 terminals, adjoining one another, a terminal strip must be envisaged between one terminal and the next, because of the pitch differential between terminal and cartridge.

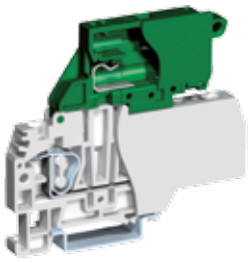
Note:

(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

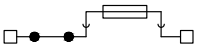
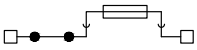
- mounted onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- for ø 5 x 20 mm or ø 6.3 x 32 mm fuses (supplied separately), with possible warning of any broken fuse through LED microcircuit (CIL/...) or [only HFR.4/GR] neon light (LSN)
- available in grey (RAL 7042)
- patented “Easy Bridge” system: double possibility of inserting modular multi-pole cross connections (PTCs), with no need for additional protections
- can be coupled with all HMM.4/... terminal blocks
- maximum operating temperature 100°C





For the isolation figures with cross connections refer to the table on page 131

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

grey version	HFR.4/M/GR Cat. No. HF310GR	HFR.4/GR Cat. No. HF210GR
TECHNICAL CHARACTERISTICS		
function/type	• for ø 5 x 20 mm fuse	• for ø 6.3 x 32 mm fuse
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 60947-7-3	500 V / 6.3 A (10 A with CO/5) / A4	500 V / 10 A / A4
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)	12	12
tightening torque value (test / max) (Nm)	-	-
height / width / thickness ⊔⊐ TH/35 7.5 mm	70 / 78 / 6.2	70 / 78 / 8.2
height / width / thickness ⊔⊐ TH/35 15 mm	78 / 78 / 6.2	78 / 78 / 8.2
height / width / thickness ⊏⊐ G32	- / - / -	- / - / -
APPROVALS	Enel Distribution DV 25/8, KEMA KEUR, c UL us	Enel Distribution DV 25/8, KEMA KEUR, c UL us

ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End sections grey	**HFR.4/PT/GR**	HF211GR	**HFR.4/PT/GR**	HF211GR
End sections beige	-		-	
“Easy Bridge” (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**PTC/5/02** poles	PTC0502	**PTC/51/02** poles	PTC5102
	PTC/5/03 poles	PTC0503	**PTC/51/03** poles	PTC5103
	PTC/5/05 poles	PTC0505	**PTC/51/05** poles	PTC5105
	PTC/5/10 poles	PTC0510	**PTC/51/10** poles	PTC5110
	PTC/5/00 (40 poles)	PTC0500	**PTC/51/00** (30 poles)	PTC5100
Rated current carrying capacity of jumper (A)	**32**		**32**	
Cross connection identification strip (100 mm)	**PTC/SP**	PTC0990	**PTC/SP**	PTC0990
Multiple common bar 250 mm	-		-	
Shunting screw and sleeve	-		-	
Coloured partition red, green, white	**DFH/4**	DH04..	-	
Test plug	**SDD/1**	DD001	**SDD/1**	DD001
ø 5 x 20 mm miniature fuse	**F5/...**	FN...	-	
Conductor element ø 5 x 20 mm	**CO/5**	VL103	-	
Neon lamp ø 6 x 26 mm			**LSN**	FL202
Warning circuit made up of: - 2 contacts - 1 microcircuit - 1 transparent cover - to be inserted in such a sequence	**CIL/HFR/M/12-48**	HF518M	**CIL/HFR/M/12-48**	HF518
	CIL/HFR/M/115-230	HF510M	**CIL/HFR/M/115-230**	HF510
Terminal block with 12–48 V non-polarized LED circuit	**HFR.4/M/GR/C12-48**	HF918MGR	**HFR.4/GR/C12-48**	HF918GR
Terminal block with 115–230 V non-polarized LED circuit	**HFR.4/M/GR/C115-230**	HF910MGR	**HFR.4/GR/C115-230**	HF910GR
Numbering strip	**CNU/8/61**	NU0861		
Screwdriver for activation of the spring	**CCH/2.5-4**	CCH02	**CCH/2.5-4**	CCH02
Marking tag printed or blank	**CNU/8/51**	NU0851	-	
	-		-	
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

(*): Only for the connection of max. two adjacent terminal blocks

H Series

- for female connectors pitch 5.08 mm – on two levels
- mounting onto PR/3-type rails conforming to IEC 60715 standard, TH/35 type
- double possible insertion of the patented “Easy Bridge” multi-polar connection system - PTC cross connection, on each of the two levels
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue), where indicated
- maximum operating temperature 100°C

For the isolation figures with cross connections refer to the table on page 131

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

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 / max) (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, VDE
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	-
Protection cover for 10-pole shanks	**VPC/VT** VP102
Numbering strip	**CNU/8/51** NU0851
Screwdriver for activation of the spring	**CCH/2.5-4** CCH02
Marking tag printed or blank	**CNU/8/51** NU0851
End bracket	**BTO** BT007
	-
	BT/3 for PR/3 only BT003

detail of PTC jumper with DFM/500 barriers, **CNU/8/51** 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

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 this position the connector is hooked onto the insulating body with the holding tooth with which it is fitted.

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

- spring system with connector plug (patented)
- Easy Bridge cross connection system (patented)
- available in grey
- maximum operating temperature 100°C

For the isolation figures with cross connections refer to the table on page 131

SOME EXAMPLES OF CONNECTORS MOUNTED ON THE RELEVANT TERMINAL BLOCK

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

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

The CHP.2/GR and CHP.2D/GR connectors are equipped with two integrated polarisers for each pole. The polarisers can be cut with the aid of a simple cutter to enable insertion of the connectors in the specific seats of the HVPC.2/GR terminal blocks

grey version	**HVPC.2/GR** Cat. No. **HVP300GR**	**CHP.2/GR** Cat. No. **HVP900GR**	**CHP.2D/GR** Cat. No. **HVP910GR**
(Ex)i version	**HVPC.2 (Ex)i** Cat. No. **HVP305**	**CHP.2 (Ex)i** Cat. No. **HVP905**	**CHP.2D (Ex)i** Cat. No. **HVP915**
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)	10	10	10
tightening torque value (test / max) (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	KEMA KEUR	KEMA KEUR
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
"Easy Bridge" (PTC) cross connection (intrinsically IPXXB protected once mounted) Available also in coloured version (PTP) Ref. p. 130	**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	**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**
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
Protection cover for 10-pole shanks	-	-	-
Numbering strip	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
Screwdriver for 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/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
	-	-	-
End bracket	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003	-	-

H Series

- spring system with connector plug for earth connections (patented)
- Easy Bridge cross connection system (patented)
- maximum operating temperature 100°C

SOME EXAMPLES OF CONNECTORS MOUNTED ON THE RELEVANT TERMINAL BLOCK

(**) dimensions with inserted connector

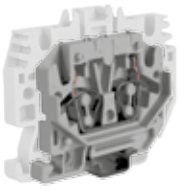
yellow/green version	HVTE.2 Cat. No. HVT500	CHTE.2 Cat. No. HVT900	CHTE.2D Cat. No. HVT910
TECHNICAL CHARACTERISTICS			
function/type	earth spring type for connectors	female connector for one conductor	female connector for two conductors
rated cross-section (mm²)	2.5	2.5	2.5
connecting capacity			
flexible (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	- - / - - / 28-12 AWG	- - / - - / 28-12 AWG	- - / - - / 28-12 AWG
(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	10	10
tightening torque value (test / max) (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 c UL us	KEMA KEUR c UL us	KEMA KEUR c UL us
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections green/yellow	**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
Protection cover for 10-pole shanks	-		
Numbering strip	**CNU/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
Screwdriver for 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/8/51** NU0851	**CNU/8/51** NU0851	**CNU/8/51** NU0851
	-		
End bracket	**BTU** for PR/DIN and PR/3 BT005 **BTO** BT007 **BT/3** for PR/3 only BT003	-	-

HPP Series

mini spring-clamp terminal blocks

- colour: grey RAL 7035
- UL94V-0
- mounting onto PR/2 rails, TH/15 type
- available in the standard version (grey RAL 7042) or in a version appropriate for use with “intrinsically safe” (Ex) i circuits (blue)
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

Dimensions HMM.2/GR



Modular test plug

For the isolation figures with cross connections refer to the table on page 131

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

standard version	**HPP.2/GR** Cat. No. **HP170GR**	**HP.2/GR** Cat. No. **HP150GR**
(Ex) version	**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	-	-
(Ex e) rated voltage ⎓ / ∿ (V)	(*)	(*)
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3
insulation stripping length (mm)	10	10
tightening torque value (test / max) (Nm)	-	-
height / width / thickness ⎍ TH/15 5.5 mm	35 / 36 / 5.2	30 / 36 / 5.2
APPROVALS	KEMA KEUR, Enel Distribution DV 25/1, Ex, EAC Ex, cULus	KEMA KEUR, Enel Distribution DV 25/1, Ex, EAC Ex, cULus
ACCESSORIES	**Type** / **Cat. No.**	**Type** / **Cat. No.**
End sections grey	**HP/PT/GR** HP101GR	**HPV/PT/GR** HV111GR
blue		-
Permanent cross connection (intrinsically IPXXB protected once mounted)	**PTC/03/02** poles PTC0302	**PTC/03/02** poles PTC0302
	PTC/03/03 poles PTC0303	**PTC/03/03** poles PTC0303
	PTC/03/05 poles PTC0305	**PTC/03/05** poles PTC0305
	PTC/03/10 poles PTC0310	**PTC/03/10** poles PTC0310
	PTC/03/00 (47 poles) PTC0300	**PTC/03/00** (47 poles) 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 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
	-	-
	-	-

In electrical panels where the spaces are particularly limited and in any case when a high wiring density is required, Cabur proposes, also for the connection with spring technology, a series of mini terminal blocks, for conductors up to 4 mm². The range comprises three versions, for panel mounting (fixing with screw or clip) and for mounting on 15 mm PR/2 guide, according to IEC 60715. The particular conformation of the insulating body of the three types of terminal blocks enables snap-in coupling of each of them, including between terminal blocks of different types, in order to ensure the maximum flexibility of use.

SUGGESTED COMPOSITION: for mounting terminal boards made up of **HPP.2/GR** terminal blocks a conformation of the terminal board of four **HP.2/GRs** for every **HPP.2/GR** is recommended. If instead it is necessary to remove the terminal board thus made up from the guide, it is recommended to separate units made up of a **HPP.2/GR** and remove one at a time, with the aid of an opportune screwdriver (CCH/2,5-4), acting in the specific slots.

HPC Series

- UL94V-0
- panel mount by means of clips
- panel thickness 0.6 – 1.2 mm
- fixing hole Ø 3.5 mm
- available in the standard version (grey) or in a version appropriate for use with “intrinsically safe” (Ex)i circuits (blue)
- maximum operating temperature 100°C
- INERIS 16 ATEX 9002U Ex e and I M2 Ex e I Mb II 2G Ex e IIC Gb certificate of operating temperature: -40 – +80 °C
- CoC IECEx INE 16.0032U

Modular test plug

For the isolation figures with cross connections refer to the table on page 131

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

standard version	HPC.2/GR Cat. No. HP160GR
(Ex) version	HPC.2 (Ex)i Cat. No. HI131
TECHNICAL CHARACTERISTICS	
function/type	feed-through
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	-
(Ex e) rated voltage ⊔ / ⎓ (V)	(*)
rated impulse withstand voltage / pollution degree	8 KV / 3
insulation stripping length (mm)	10
tightening torque value (test / max) (Nm)	-
height / width / thickness ⎓ TH/15 5.5 mm	30 / 36 / 5.2

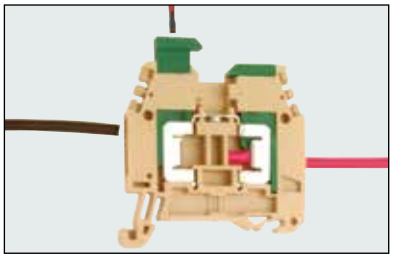
APPROVALS

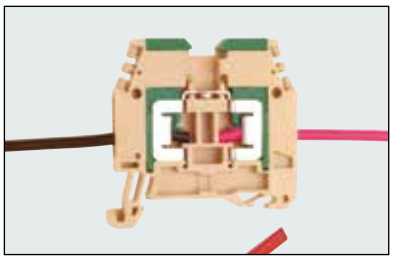
ACCESSORIES		Type	Cat. No.
End sections	grey	**HPV/PT/GR**	HV111GR
	blue	-	
Permanent cross connection (intrinsically IPXXB protected once mounted)		**PTC/03/02** poles	PTC0302
		PTC/03/03 poles	PTC0303
		PTC/03/05 poles	PTC0305
		PTC/03/10 poles	PTC0310
		PTC/03/00 (47 poles)	PTC0300
Rated current carrying 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 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
		-	
		-	

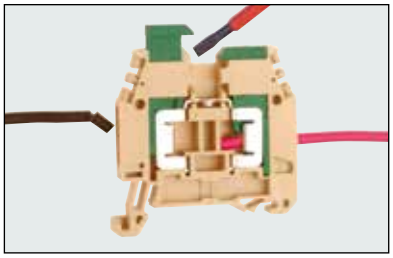
In electrical panels where the spaces are particularly limited and in any case when a high wiring density is required, Cabur proposes, also for the connection with spring technology, a w of mini terminal blocks, for conductors up to 4 mm².
The range comprises three versions, for panel mounting (fixing with screw or clip) and for mounting on 15 mm PR/2 guide.
The particular conformation of the insulating body of the three types of terminal blocks enables snap-in coupling of each of them, including between terminal blocks of different types, in order to ensure the maximum flexibility of use.

Insulation displacement terminal blocks

the **NCS** terminal block represents an optimal solution for the rapid and secure connection of conductors with a small section.
The connection system minimises the wiring times as no preparation of the conductor or action to tighten the screws is necessary.
It is sufficient to cut the conductor and, unlike what happens with the other connection types that need removal of an adequate length of insulation, introduce it into the upper part of the terminal block chamber. At this point the simple action, to be carried out directly with the fingers or with a very normal screwdriver, on the pressure element, determines the passage of the conductor itself through a fork of the conductor body, with consequent displacement of the insulation and creation of the contact. In the operating position the conductor is placed in the lower part of the introduction chamber.
It must be stressed in particular that the connection can be created with no tools or using a very simple tool, a screwdriver, which is normally in the operator's kit.
The metal body, which performs the dual function of connection and current conduction, is made of a special copper alloy and ensures the best resistance to all aggressive agents and, with its elasticity, a high number of manoeuvres (more than 50), guaranteeing always a reliable electrical contact. The particular shape and angle of the fork, used for the displacement of the insulation and the contact, also stops the conductor from accidentally coming out of its seat.
In a way that is just as easy it is possible to remove the conductor from the terminal block: again using a screwdriver (see figure) it is in fact possible to raise the pressure element which, in its lower part, is configured so as to drag the conductor out of the contact fork zone making it free for extraction.
In the case of a new use of the extracted conductor it is sufficient to give the same a new heading and repeat the action described above.







Note:
the terminal block NCS terminal block is joined by the NCV version which provides on one side Insulation Displacement Connection (IDC) and on the other the traditional screw-clamp connection.
This solution can be useful if the needs "in the field" are for a conductor with a larger section (up to 6 mm^2) or if it is decided in any case to guarantee to the end user a screw-clamp connection.

NCS/V Series

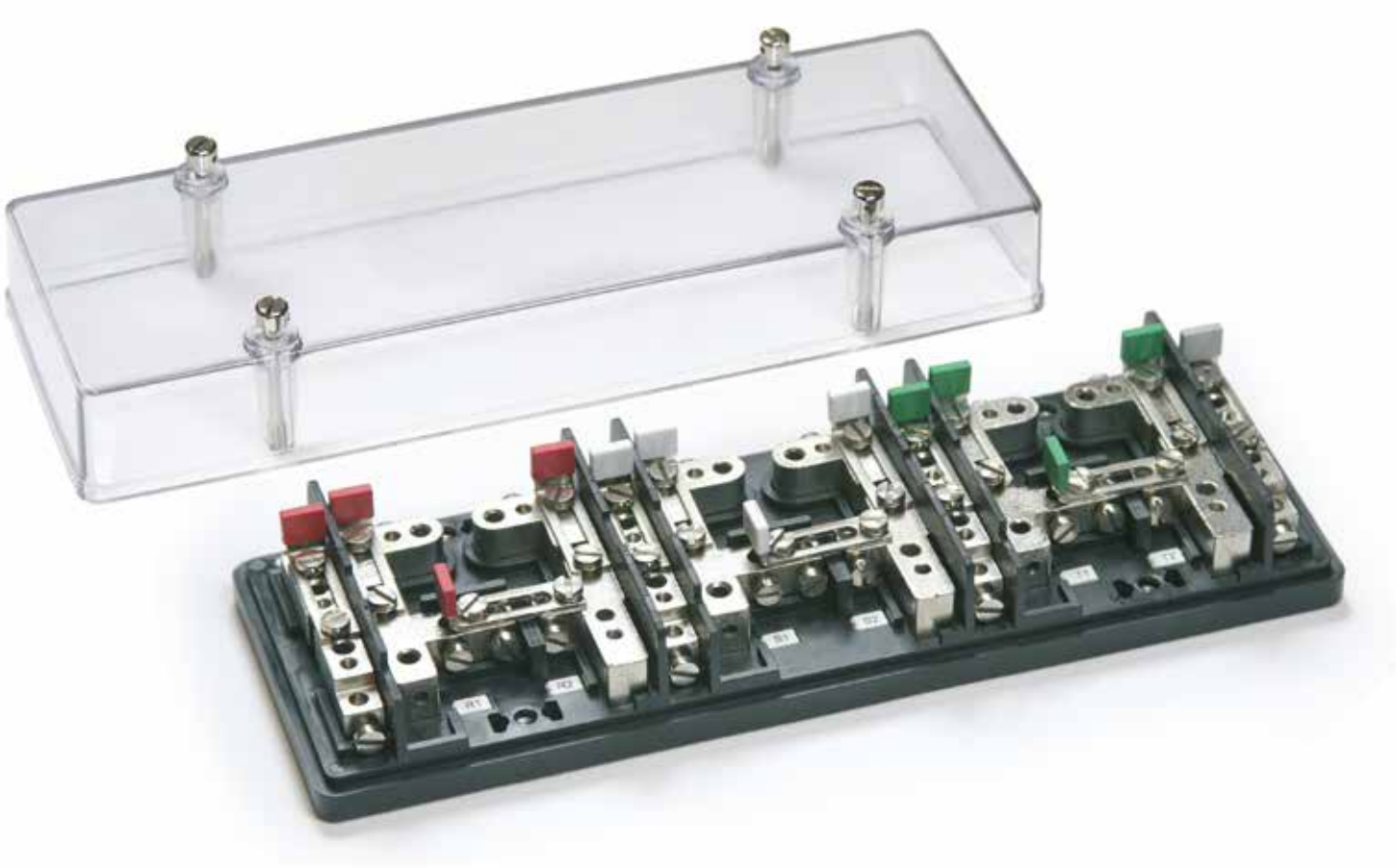
- UL94V-0
- mounting onto PR/3 rail conforming to IEC 60715 standard, TH/35 type
- maximum operating temperature 100°C

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 raised presser) / 48 / 6.2	47 (53 with raised presser) / 48 / 6.2
height / width / thickness TH/35 15 mm	55 (61 with raised presser) / 48 / 6.2	55 (61 with raised presser) / 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	-		-	
Screwdriver for activation of the spring	-		-	
Warning plate on adjacent terminal blocks	-		-	
Marking tag printed or blank	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
	-		-	
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

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, 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.

In two-phase and three-phase terminal boards, the insulating base is built from Kelon (an abbreviation of Keramic + Nylon): this is a nylon 6 based, self-extinguishing UL94V-0 polymer with the addition of special ceramic spheres and subsequent thermal stability. The inclusion of the microspheres and the thermal procedure make the item extremely hardwearing (rigid, but also able to withstand impacts and wear and tear)

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

TECHNICAL CHARACTERISTICS	
rated cross-section	6 mm^2
connecting capacity	
flexible conductors	0.5 – 6 mm^2
rigid conductors	0.5–6 mm^2
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 slide-link 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.

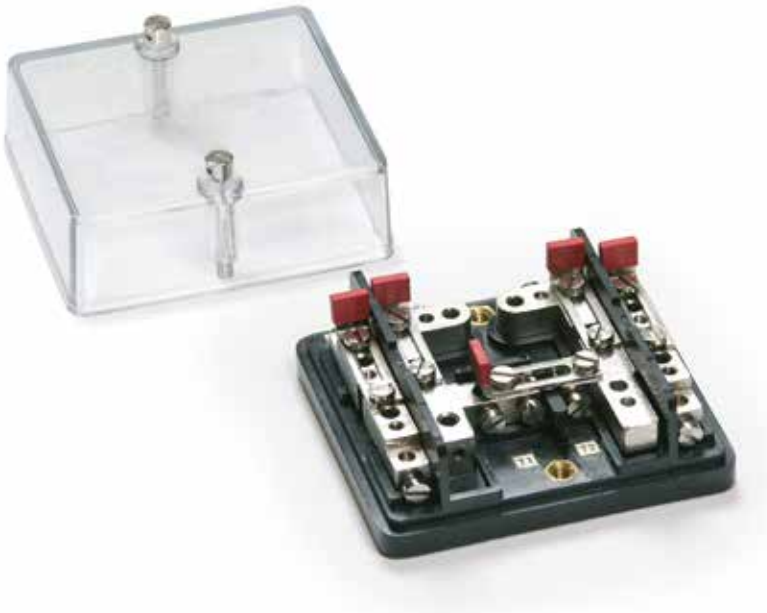
When inserting control instruments, the following instructions are to be followed:
- by means of normal plugs, the voltmeter leads must be shunted from the test instrument on to the voltage sockets of the disconnect slide-link or to the insertion blocks of the fuse-holders;
- the ammeter leads of the 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 slide-link.

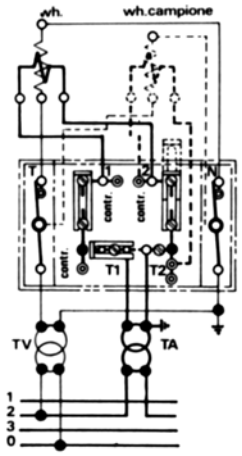
Feeding conductors (incoming and outcoming) are inserted from the rear of the terminal board, with conductors passing through slots on the insulating base of the terminal board.

MCM.1 Series

- for meters with single phase insertion
- rear cable input



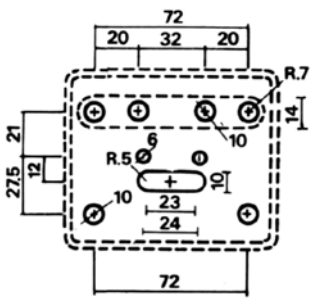
Overall dimension (with cover)
MCM.1: 95 x 85 x 48 mm



Application scheme

ENEL has adopted a special colour system to identify phases according to the sections where the terminal blocks are installed.
From the left, phases are identified as follows:

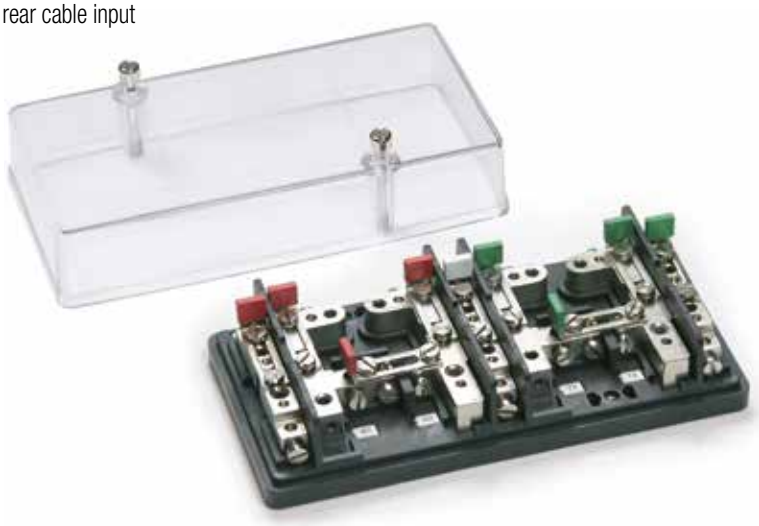
Type	Cat. No.
MCM.1/B (white)	**MC201B** (adopted in Campania and Lombardy)
MCM.1/G (yellow)	**MC201G** (adopted in Veneto and Trentino Alto Adige)
MCM.1/R (red)	**MC201R** (adopted in the rest of Italy)

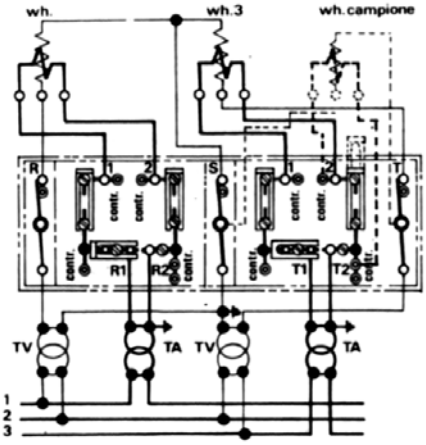


Fixing template

MCM.2 Series

- for meters with ARON insertion
- rear cable input



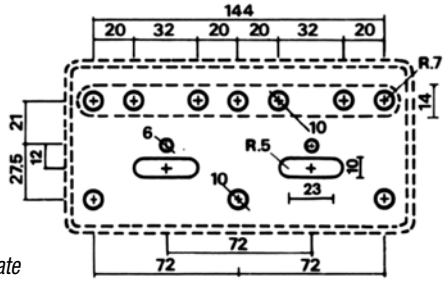


Application scheme

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

ENEL has adopted a special colour system to identify phases according to the sections where the terminal blocks are installed.
From the left, phases are identified as follows:

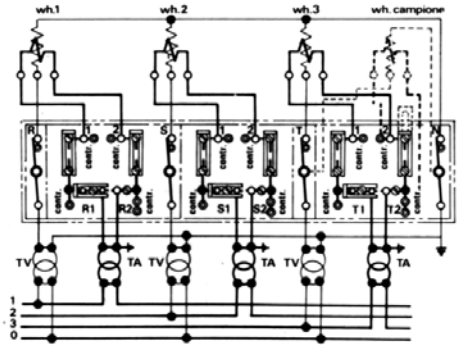
Type	Cat. No.
MCM.2/B (white)	**MC202B** (adopted in Campania and Lombardy)
MCM.2/G (yellow)	**MC202G** (adopted in Veneto and Trentino Alto Adige)
MCM.2/R (red)	**MC202R** (adopted in the rest of Italy)



Fixing template

MCM.3 Series

- for meters with three-phase and neutral insertion
- rear cable input

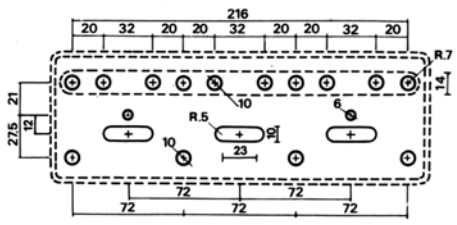


Application scheme

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

ENEL has adopted a special colour system to identify phases according to the sections where the terminal blocks are installed.
From the left, phases are identified as follows:

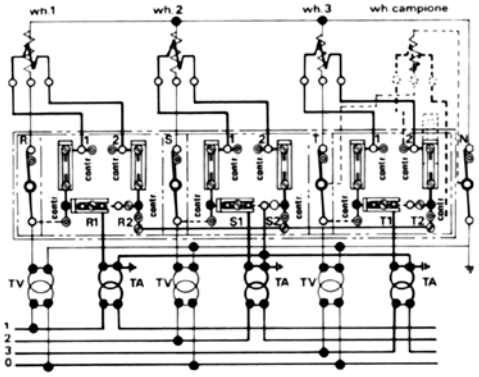
Type	Cat. No.
MCM.3/B (white)	**MC203B (adopted in Campania and Lombardy)**
MCM.3/G (yellow)	**MC203G** (adopted in Veneto and Trentino Alto Adige)
MCM.3/R (red)	**MC203R** (adopted in the rest of Italy)



Fixing template

MCM.3/VE Series

- for meters with three-phase and neutral insertion
- rear cable input

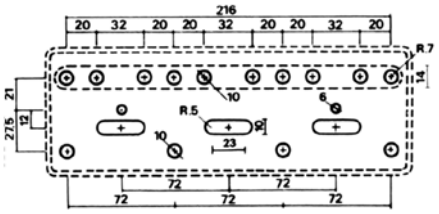


Application scheme

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

ENEL has adopted a special colour system to identify phases according to the sections where the 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)



Fixing template

MCT/SA Series

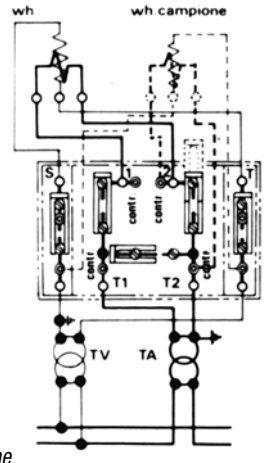
The MCT/SA Series differs from the MCM Series in the following ways:

1) both entry and exit of power supplies takes place at the front of the terminal block, with conductors that pass through open slots created on the upper and lower walls of the cover

2) there is a door cover with safety blocks which prevent it from closing when the cursors are not in the proper position. Use of the MCT/SA terminal blocks is the same as that of the MCM Series.

MCT/SA Series

- for meters with single phase insertion
- side cable input

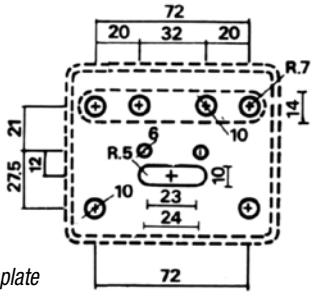


Application scheme

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

ENEL has adopted a special colour system to identify phases according to the sections where the terminal blocks are installed.
From the left, phases are identified as follows:

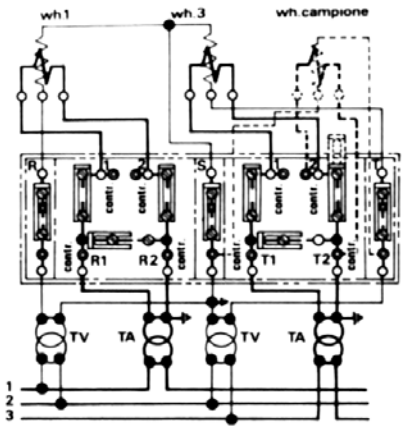
Type	Cat. No.
MCT.1/SA/B (white)	**MC401B (adopted in Campania and Lombardy)**
MCT.1/SA/G (yellow)	**MC401G** (adopted in Veneto and Trentino Alto Adige)
MCT.1/SA/R (red)	**MC401R** (adopted in the rest of Italy)



Fixing template

MCT.2/SA Series

- for meters with ARON insertion
- side cable input

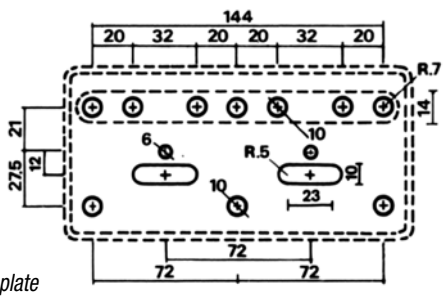


Application scheme

Overall dimension (with cover)
MCT.2/SA: 170 x 85 x 48 mm

ENEL has adopted a special colour system to identify phases according to the sections where the terminal blocks are installed.
From the left, phases are identified as follows:

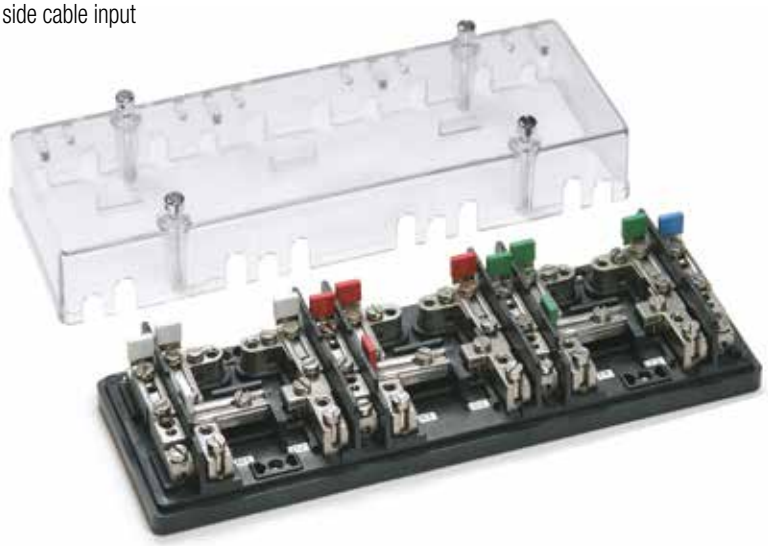
Type	Cat. No.
MCT.2/SA/B (white)	**MC402B (adopted in Campania and Lombardy)**
MCT.2/SA/G (yellow)	**MC402G** (adopted in Veneto and Trentino Alto Adige)
MCT.2/SA/R (red)	**MC402R** (adopted in the rest of Italy)

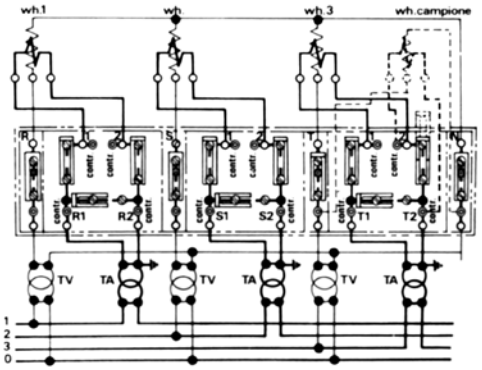


Fixing template

MCT.3/SA Series

- for meters with three-phase and neutral insertion
- side cable input



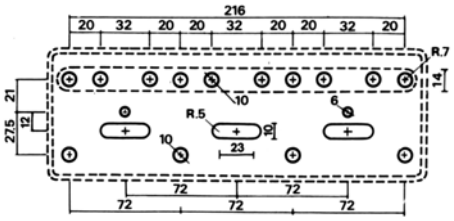


Application scheme

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

ENEL has adopted a special colour system to identify phases according to the sections where the terminal blocks are installed.
From the left, phases are identified as follows:

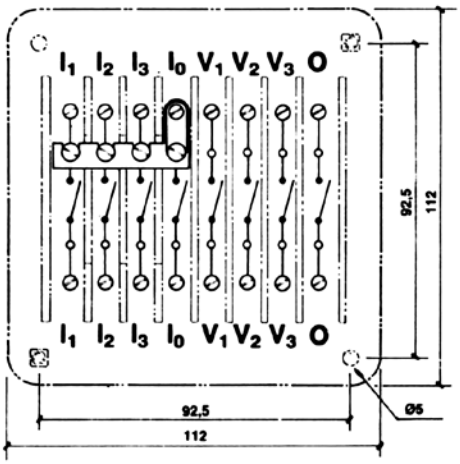
Type	Cat. No.
MCT.3/SA/B (white)	**MC403B (adopted in Campania and Lombardy)**
MCT.3/SA/G (yellow)	**MC403G** (adopted in Veneto and Trentino Alto Adige)
MCT.3/SA/R (red)	**MC403R** (adopted in the rest of Italy)



Fixing template

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: black polyamide

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

Also available **on request** is a product version, fitted with a transparent cover made of cellulose acetate (for conditions and delivery times, contact the sales office).

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

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

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

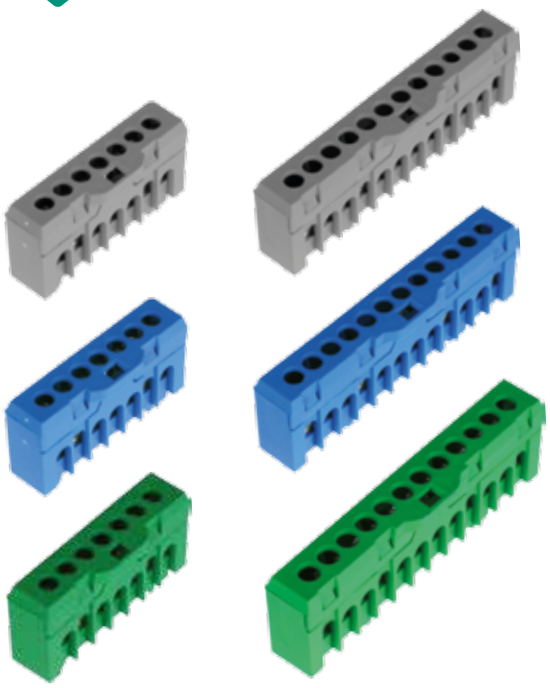
QBLOK Series

Applications

Partition terminal boards are used as supplementary terminal blocks for phase expansion or neutral expansion inside electrical panels.
They are also known as equipotential terminal boards because they are used as equipotential nodes in distribution control units to collect the Earthing system.

General characteristics

- Available in 7 and 12 hole versions
- Mounting onto PR/3 profiles conforming to IEC 60715 standards, TH/35 type
- Inherent protection against accidental contact IPXXB level according to IEC 60529
- Marking possible with a CNU/8 or CNU/10 tag
- Available in green and blue
- Insulating in polyamide 6.6 UL94V-0



Grey version	QBLOK.7/GR Cat. No. QBLOK7003	QBLOK.12/GR Cat. No. QBLOK1203
Blue version	**QBLOK.7/BLU Cat. No. QBLOK7001**	**QBLOK.12/BLU Cat. No. QBLOK1201**
Green version	**QBLOK.7/TE Cat. No. QBLOK7002**	**QBLOK.12/TE Cat. No. QBLOK1202**
height / width / thickness ⎵ TH/35 7.5 mm	33 / 53 / 16	33 / 85 / 16
height / width / thickness ⎵ TH/35 15 mm	41 / 53 / 16	41 / 85 / 16
TECHNICAL CHARACTERISTICS		
function/type	Distribution terminal boards	Distribution terminal boards
number and diameter of holes	7 holes Ø 5.3 mm	12 holes Ø 5.3 mm
rated cross-section (mm²)	10	10
connecting capacity		
flexible (mm²)	1.5–10	1.5–10
rigid (mm²)	1.5–16	1.5–16
max. flexible with ferrule (mm2)-ferrule type	10–WP100/21	10–WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-	500 V / 63 A / B5	500 V / 63 A / B5
rated impulse withstand voltage / pollution degree	-	-
insulation stripping length (mm)	6	6
tightening torque value (test / max) (Nm)	2 / 2.5 Nm	2 / 2.5 Nm

APPROVALS

ACCESSORIES	Type	Cat. No.	Type	Cat. No.
End section	**CNU/8/51**	NU0851	**CNU/8/51**	NU0851
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
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

QBLOK Series

SINGLE POLE DISTRIBUTION TERMINAL BOARDS
Applications

- Easy installation, with dovetail side supports for better compression
- Visible conductor input thanks to an innovative design with a graduated brass body
- Universal power supply: conductor or bar
- High number of connection points
- IPXXB according to IEC60529
- Captive tightening screw
- HF self-extinguishing plastic sleeve
- Mounting onto PR/3 rails conforming to IEC 60715 standards TH/35 type or onto the panel

rated cross-section

mounting

couplings

Cat. No.			QBLOK1P160	QBLOK1P250	QBLOK1P400
Type			**QBLOK1P160A6**	**QBLOK1P250A10**	**QBLOK1P400A10**
Height / width / thickness	TH/35 7.5 mm		51 / 70.5 / 41.6	68 / 90 / 51	68 / 90 / 51
Height / width / thickness	TH/35 15 mm		59 / 70.5 / 41.6	75 / 90 / 51	75 / 90 / 51
Number and diameter of holes			1 70mm hole 2 25mm holes 3 16mm holes	1 120mm hole 2 35mm holes 3 25mm holes 4 16mm² holes	1 185mm² hole 2 35mm² holes 3 25mm² holes 4 16mm² holes
rated cross-section		(mm²)	70	120	185
Connection capacity of power supply hole 185-120-70 mm² / bar	flexible conductors (mm²) rigid conductors (mm²) max. flexible conductor with end - end marking (mm) dim power supply bar - l x S (mm)		10 – 70 10 – 70 50 – WP 350/40 15 x 5	35 – 120 35 – 120 - 24 x 10	70 – 185 70 – 185 - 24 x 10
Connection capacity of power supply hole 35 mm²	flexible conductors (mm²) rigid conductors (mm²) max. flexible conductor with end - end marking (mm)		- - -	4 – 35 4 – 35 25 – WP 250/29	4 – 35 4 – 35 50 – WP 250/29
Connection capacity of power supply hole 25 mm²	flexible conductors (mm²) rigid conductors (mm²) max. flexible conductor with end - end marking (mm)		2.5 – 25 2.5 – 25 16 – WP 160/22	2.5 – 25 2.5 – 25 16 – WP 160/22	2.5 – 25 2.5 – 25 16 – WP 160/22
Connection capacity of power supply hole 16 mm²	flexible conductors (mm²) rigid conductors (mm²) max. flexible conductor with end - end marking (mm)		2.5 – 16 2.5 – 16 16 – WP 100/21	1.5 – 16 1.5 – 16 16 – WP 100/21	1.5 – 16 1.5 – 16 16 – WP 100/21
Nominal voltage / nominal current / gauge			690V / 160A / --	690V / 250A / --	690V / 400A / --
Short term current allowed (Icw) (value effective for 1s)		KA	-	-	-
Peak current (ICC)		KA	8.4	14.4	22.4
Rated impulse withstand voltage / degree of pollution			8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		mm	17 / 12 / 12	27 / 18 / 12	27 / 18 / 12
Tightening torque		Nm	10 (70mm²) 3 (25 and 16 mm²)	19 (120mm²) 6 (35mm²) 3 (25 and 16 mm²)	19 (185mm²) 6 (35mm²) 3 (25 and 16 mm²)
Quantity per pack			1	1	1

QBLOK Series

BIPOLAR DISTRIBUTION TERMINAL BOARD

- Easy installation
- Insulating screen for each conducting busbar
- Power supply holes intentionally offset to simplify wiring
- Conforming to EN 60947-7-1
- Zinc-plated steel screws with combined single-slot
- Transparent polycarbonate, self-extinguishing
- Mounting onto PR/3 rails conforming to IEC 60715 standards TH/35 type or onto the panel

Cat. No.			QBLOK2100	QBLOK2125	QBLOK2126
Type			**QBLOK2P100A7**	**QBLOK2P125A11**	**QBLOK2P125A15**
Height / width / thickness		TH/35 7.5 mm	52 / 49 / 72	52 / 49 / 109	52 / 49 / 137
Height / width / thickness		TH/35 15 mm	59 / 49 / 72	59 / 49 / 109	59 / 49 / 137
number and diameter of holes			2 7.5 mm holes 5 5.4 mm holes	2 9 mm holes 2 7.5 mm holes 7 5.4 mm holes	2 9 mm holes 2 7.5 mm holes 11 5.4 mm holes
ratedcross-section		(mm²)	25	35	35
Connecting capacity of power supply hole 9 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		- - -	10–35 10–35 25–WP 250/29	10–35 10–35 25–WP 250/29
Connecting capacity of power supply hole 7.5 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		10–25 10–25 16–WP 160/22	10–25 10–25 16–WP 160/22	10–25 10–25 16–WP 160/22
Connecting capacity of power supply hole 5.4 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		2.5 – 6 2.5 – 6 4–WP 40/16	2.5 – 6 2.5 – 6 4–WP 40/16	2.5 – 6 2.5 – 6 4–WP 40/16
Rated voltage / rated current / gauge			1,000V / 100A /- conf. to EN 60947-1	1,000V / 125A /- conf. to EN 60947-1	1,000V / 125A /- conf. to EN 60947-1
Short-time withstand current (Icw) (r.m.s value x 1s)		KA	3 kA- according to EN 60947-1	3 kA- according to EN 60947-1	3 kA- according to EN 60947-1
Peak current (ICC)		KA	x kA according to EN 60947-1	x kA according to EN 60947-1	x kA according to EN 60947-1
rated impulse withstand voltage / pollution degree			8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		mm	13	13	13
Tightening torque		Nm	2 / 2.5	2 / 2.5	2 / 2.5
Quantity per package			4	2	2
Marking tag			NU0851	NU0851	NU0851
End bracket			BT007-BT003-BT005	BT007-BT003-BT005	BT007-BT003-BT005

QBLOK Series

FOUR-POLE DISTRIBUTION TERMINAL BOARDS

- Easy installation
- Insulating screen for each conducting busbar
- Power supply holes intentionally offset to simplify wiring
- Conforming to EN 60947-7-1
- Zinc-plated steel screws with combined single-slot
- Transparent polycarbonate, self-extinguishing
- Mounting onto PR/3 rails conforming to IEC 60715 standards TH/35 type or onto the panel

Cat. No.			QBLOK4100	QBLOK4125	QBLOK4126
Type			**QBLOK4P100A7**	**QBLOK4P125A11**	**QBLOK4P125A15**
Height / width / thickness		TH/35 7.5 mm	52 / 97 / 72	52 / 97 / 108	52 / 97 / 137
Height / width / thickness		TH/35 15 mm	59 / 97 / 72	59 / 97 / 108	59 / 97 / 137
number and diameter of holes			2 7.5 mm holes 5 5.4 mm holes	2 9 mm holes 2 7.5 mm holes 7 5.4 mm holes	2 9 mm holes 2 7.5 mm holes 11 5.4 mm holes
ratedcross-section		(mm²)	25	35	35
Connecting capacity of power supply hole 9 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		- - -	10–35 10–35 25–WP 250/29	10–35 10–35 25–WP 250/29
Connecting capacity of power supply hole 7.5 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		10–25 10–25 16–WP 160/22	10–25 10–25 16–WP 160/22	10–25 10–25 16–WP 160/22
Connecting capacity of power supply hole 5.4 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		2.5 – 6 2.5 – 6 4–WP 40/16	2.5 – 6 2.5 – 6 4–WP 40/16	2.5 – 6 2.5 – 6 4–WP 40/16
Rated voltage / rated current / gauge			500V / 100A / -	500V / 125A / -	500V / 125A / -
Short-time withstand current (Icw) (r.m.s value x 1s)		KA	3 according to EN 60947-1	3 according to EN 60947-1	3 according to EN 60947-1
Peak current (ICC)		KA	x according to EN 60947-1	x according to EN 60947-1	x according to EN 60947-1
rated impulse withstand voltage / pollution degree			8kV / 3	8kV / 3	8kV / 3
Insulation stripping length		mm	13	13	13
Tightening torque		Nm	2 / 2.5	2 / 2.5	2 / 2.5
Quantity per package			2	1	1
Marking tag			NU0851	NU0851	NU0851
End bracket			BT007-BT003-BT005	BT007-BT003-BT005	BT007-BT003-BT005

QBLOK Series

FOUR-POLE DISTRIBUTION TERMINAL BOARDS

- Easy installation
- Insulating screen for each conducting busbar
- Power supply holes intentionally offset to simplify wiring
- Conforming to EN 60947-7-1
- Zinc-plated steel screws with combined single-slot
- Transparent polycarbonate, self-extinguishing
- Mounting onto PR/3 rails conforming to IEC 60715 standards TH/35 type or onto the panel

Cat. No.			QBLOK4160S	QBLOK4161N
Type			**QBLOK4P160A9**	**QBLOK4P160A14**
Height / width / thickness		TH/35 7.5 mm	54 / 99 / 131	54 / 99 / 181
Height / width / thickness		TH/35 15 mm	61 / 99 / 131	61 / 99 / 181
number and diameter of holes			1 11 mm hole 2 8.5 mm holes 6 6.5 mm holes	1 11 mm hole 4 8.5 mm holes 9 6.5 mm holes
ratedcross-section		(mm²)	50	50
Connecting capacity of power supply hole 9 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		10 – 50 10 – 50 -	10 – 50 10 – 50 35–WP 350/30
Connecting capacity of power supply hole 7.5 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		10–35 10–35 25–WP 250/29	10–35 10–35 25–WP 250/29
Connecting capacity of power supply hole 5.4 mm	flexible (mm²) rigid (mm²) max. flexible with ferrule - ferrule type (mm)		2.5–16 2.5–16 16–WP 160/22	2.5–16 2.5–16 16–WP 160/22
Rated voltage / rated current / gauge			500V / 160A / -	500V / 160A / -
Short-time withstand current (Icw) (r.m.s value x 1s)		KA	6 according to EN 60947-1	6 according to EN 60947-1
Peak current (ICC)		KA	x according to EN 60947-1	x according to EN 60947-1
rated impulse withstand voltage / pollution degree			8kV / 3	8kV / 3
Insulation stripping length		mm	13	13
Tightening torque		Nm	2 / 2.5	2 / 2.5
Quantity per package			1	1
Marking tag			NU0851	NU0851
End bracket			BT007-BT003-BT005	BT007-BT003-BT005

POLM Series

Applications

Partition terminal boards are used as supplementary terminal blocks for phase expansion or neutral expansion inside electrical panels.
They are also known as equipotential terminal boards because they are used as equipotential nodes in distribution control units to collect the Earthing system.

General characteristics

- Protected terminal blocks, 7, 11, or 15 holes
- Mounting on mounting rails PR/3 according to IEC 60715, TH/35 type or with screws on walls
- Insulation voltage 500 V (according to IEC 60947-1)
- Conformity with EU Low Voltage Directive 2006/95/EC

Materials

- CW 614N Brass, polyamide (coloured products), polycarbonate (transparent products)
- Zinc-plated steel screws with combined single-slot

Cat. No.	Type	Colour	rated cross-section (mm^2)	Rated current	Number of holes
QPOL1203	POLM.1215	Grey	12 x 1.5 2 x 2.5 1 x 16	80 A	The hole with diameter 16 mm^2 has screw clamp
QPOL1205	POLM.1215/BLU	Blue	12 x 1.5 2 x 2.5 1 x 16	80 A	The hole with diameter 16 mm^2 has screw clamp
QPOL1204	POLM.1215/TE	Green	12 x 1.5 2 x 2.5 1 x 16	80 A	The hole with diameter 16 mm^2 has screw clamp


Spring-clamp


Spring-clamp


Spring-clamp

CONTC Series

Applications

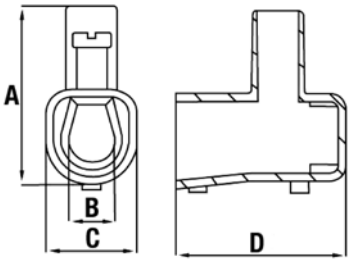
CONTC Series terminal blocks are mainly used inside of junction boxes and, from a physical point of view, can be seen as simple Kirchhoff's nodes.

General characteristics

- Maximum withstand temperature 130 °C
- IP 20 protection degree
- High dielectric strength
- Resistance to tracking currents
- Screw-clamp

Materials

- Products comply with the essential requirements of the BT Directive
- CW 614N Brass
- Zinc-plated screws and dowels
- Transparent polycarbonate



CAT. NO.	TYPE	QUANTITY PER PACKAGE	RATED CROSS-SECTION (mm^2)	RATED CURRENT	RIGID OR FLEXIBLE CONDUCTORS		RATED VOLTAGE	SCREW CLAMP	DIMENSIONS (mm)			
					CONDUCTOR CROSS-SECTION (mm^2)	CONDUCTORS NO.		NUMBER OF POLES	A	B	C	D
CONTC01	CONT/1.5	10	1.5	17.5A	1.5 1.0 0.75	2 2-3 2-4	450V	10	16.0	3.3	10.0	15.0
CONTC02	CONT/2.5	10	2.5	24A	2.5 1.5 1.0	2 2-3 2-4	450V	10	17.6	3.7	8.4	17.6
CONTC04	CONT/4	10	4.0	32A	4.0 2.5 1.5	2 2-3 2-4	450V	10	21.0	4.5	10.5	21.0
CONTC06	CONT/6	10	6.0	41A	6.0 4.0 2.5	2 2-3 2-4	750V	10	23.0	5.6	11.5	22.5
CONTC10	CONT/10	5	10.0	57A	10.0 6.0 4.0	2 2-3 2-4	750V	10	28.0	6.9	14.6	26.0
CONTC16	CONT/16	5	16.0	76A	16.0 10.0 6.0	2 2-3 2-4	750V	10	33.0	9.0	19.7	31.0
CONTC25	CONT/25	5	25.0	101A	25.0 16.0 10.0	2 2-3 2-4	750V	1	39.0	12.0	22.0	38.0
CONTC35	CONT/35	5	35.0	125A	35.0 25.0 16.0	2 2-3 2-4	750V	1	46.0	14.0	25.0	44.0

CONT Series

Double and multiple terminal blocks for derivation boxes from 1.5 to 35mm²

Applications

CONTC Series terminal blocks are mainly used inside of junction boxes and, from a physical point of view, can be seen as simple Kirchhoff's nodes.

Characteristics of the materials

Insulating material:

- Transparent polycarbonate, self-extinguishing UL94-V0
- High mechanical and shock resistance also at low temperatures (-25 °C)
- Maximum withstand temperature 130 °C
- Resistance to flames and to ignition according to IEC 695-2-1
- 850 °C in the incandescent wire test
- High dimensional stability
- Excellent resistance to creeping currents
- High dielectric strength
- Excellent resistance to chemical and atmospheric agents.

Contact material:

- CW 614N Brass
- Galvanised steel screws or grub screws

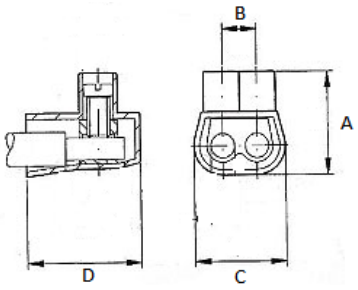
CONFORMING TO STANDARDS

EN 60998-1, EN 60998-2-1

APPROVALS

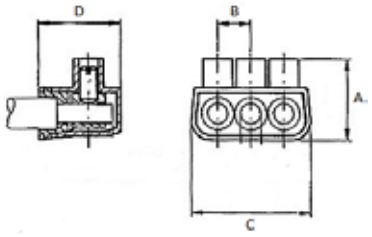
DOUBLE MOBILE TERMINAL BLOCKS

The range expands with the new 1.5 mm² terminal block



CAT. NO.	RATED SIZE	RATED CURRENT [A]	CABLE USE TABLE STANDARDS IEC 23-20 IEC 23-21			VOLTAGE [V]	STANDARD PACK QUANTITY	SIZE [MM]			
			SECTION CONDUC-TORS [MM²]	N° OF CONDUCTORS CONNECTABLE				A	B	C	D
				RIGID WIRES	FLEXIBLE WIRES						
CONT201	2x1.5mm²	17.5	1.5 1 0.75	1 1-2 1-3	1 1-2 1-3	450	200 20	13	4.5	12	15
CONT206	2x6mm²	41	6 4 2.5 1.5	1 1-2 1-3 -	- 1 1-2 1-3	450	200 20	17	6	15	18
CONT216	2x16mm²	76	16 10 6 4	1 1-2 1-3 -	- 1 1-2 1-3	500	100 10	26	8	20	22.5
CONT225	2x25mm²	101	25 16 10 6	1 1-2 1-3 -	- 1 1-2 1-3	500	100 10	24.5	10	25	26
CONT235	2x35mm²	125	35 25 16 10	1 1-2 1-3 -	- 1 1-2 1-3	500	50 5	33	13	31.5	31

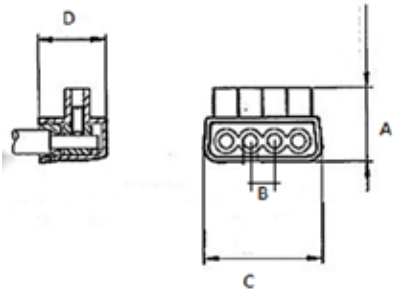
TRIPLE MOBILE TERMINAL BLOCKS



CAT. NO.	RATED SIZE	RATED CURRENT [A]	CABLE USE TABLE STANDARDS IEC 23-20 IEC 23-21			VOLTAGE [V]	STANDARD PACK QUANTITY	SIZE [MM]			
			SECTION CONDUC-TORS [MM²]	N° OF CONDUCTORS CONNECTABLE				A	B	C	D
				RIGID WIRES	FLEXIBLE WIRES						
CONT306	3x6mm²	41	6 4 2.5 1.5	1 1 1 -	- 1 1 1	450	150 15	15.25	5	19.5	14
CONT316	3x16mm²	76	16 10 6 4	1 1 1 -	- 1 1 1	450	100 10	22	9	32.5	22.25

MULTIPLE 4-POLE MOBILE TERMINAL BLOCKS

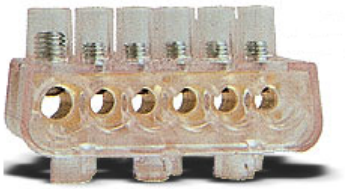
The range is completed with the new 4-pole terminal blocks

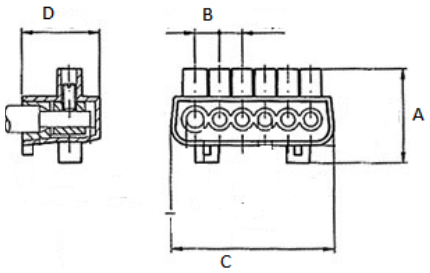


CAT. NO.	RATED SIZE	RATED CURRENT [A]	CABLE USE TABLE STANDARDS CEI 23-20 CEI 23-21			VOLTAGE [V]	STANDARD PACK QUANTITY	SIZE [MM]			
			SECTION CONDUC-TORS [MM²]	N° OF CONDUCTORS CONNECTABLE				A	B	C	D
				RIGID WIRES	FLEXIBLE WIRES						
CONT406	4x6mm²	41	6 4 2.5 1.5	1 1 1 -	- 1 1 1	450	150 15	15.25	5	24.5	14
CONT416	4x16mm²	76	16 10 6 4	1 1 1 -	- 1 1 1	450	100 10	22	9	41.5	22.25

MULTIPLE 6-POLE MOBILE TERMINAL BLOCKS

The new CONT606s and CONT616s make it possible to have an additional connection compared to the CONT506s and CONT516s





CAT. NO.	RATED SIZE	RATED CURRENT [A]	CABLE USE TABLE STANDARDS IEC 23-20 IEC 23-21			VOLTAGE [V]	STANDARD PACK QUANTITY	SIZE [MM]			
			SECTION CONDUC-TORS [MM²]	N° OF CONDUCTORS CONNECTABLE				A	B	C	D
				RIGID WIRES	FLEXIBLE WIRES						
CONT606	5x6mm² 1x10mm²	41	6 4 2.5 10 6 4	1 1 1-2 1 1-2 1-4	- 1 1 - 1 1-3	450	50 5	27	7-6.5	46.5	22.5
CONT616	5x16mm² 1x25mm²	76	16 10 6 25 16 10	1 1 1 1 1 1	- 1 1 - 1 1	500	50 5	30	10-9	62	25.25

CAMUT Series

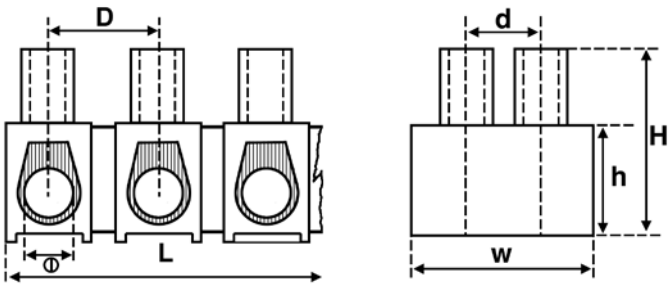
12-pole terminal strips

General features

- Maximum withstand temperature: 105 °C
- Neutral colour

Materials used

- Brass
- Polyamide PA6
- Passivated steel screws



CAT. NO.	TYPE	NOMINAL CURRENT	SECTION (mm^2)	GAUGE	DIMENSIONS (mm)						
					L	W	Ø	D	d	H	h
Cat. No. CAMUT02	CAMUT.12/02	3A	2.5	A3	93.0	17.0	2.8	8.0	6.0	13.7	8.0
Cat. No. CAMUT04	CAMUT.12/04	5A	4.0	A3	117.0	19.0	3.3	9.8	6.5	15.9	9.0
Cat. No. CAMUT06	CAMUT.12/06	10A	6.0	A4	132.0	21.0	4.2	11.0	7.8	16.8	10.0
Cat. No. CAMUT10	CAMUT.12/10	15A	10.0	A5	141.0	23.0	4.5	11.7	8.5	19.0	10.8
Cat. No. CAMUT16	CAMUT.12/16	30A	16.0	B6	168.0	26.0	5.5	14.5	9.5	20.4	12.0
Cat. No. CAMUT25*	CAMUT.12/25	60A	25.0	B6	191.0	29.7	6.6	16.5	11.0	25.9	15.5

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 to ensure a good grip on the tool.

Crimper

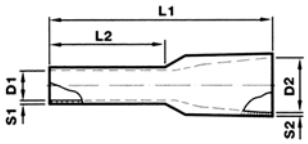
This tool has been designed for plant engineering. The parallel movement of the matrices generates a 10000 N force. The entire tool is coated with plastic, which makes it ergonomic and comfortable to use.

Type	Cat. No.	Description
UMCT	UMCT3149	Crimper
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 - WP Series

Reference drawing



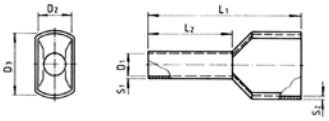
For cable termination, a complete range of single entry bootlace ferrules is available. In electrolytic tinned copper, with polypropylene insulation.

TYPE	CAT. NO.	COLOUR	CROSS-SECTION (mm^2)	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	S1 (mm)	S2 (mm)	PCS per pack
WP5-14	WP30002	White	0.5	1.0	2.6	14.0	8.0	0.15	0.25	500
WP75-14	WP30005	Grey	0.75	1.2	2.8	14.0	8.0	0.15	0.25	500
WP1-14	WP30009	Red	1.0	1.4	3.0	14.0	8.0	0.15	0.25	500
WP15-14	WP30013	Black	1.5	1.7	3.5	14.0	8.0	0.15	0.25	500
WP25-14	WP30016	Blue	2.5	2.2	4.2	14.0	8.0	0.15	0.25	500
WP40-16	WP30019	Grey	4.0	2.8	4.8	17.0	10.0	0.2	0.3	500
WP60-20	WP30022	Yellow	6.0	3.5	6.3	20.0	12.0	0.2	0.3	100
WP100-21	WP30024	Red	10.0	4.5	7.6	22.0	12.0	0.2	0.4	100
WP160-22	WP30026	Blue	16.0	5.8	8.8	24.0	12.0	0.2	0.4	100
WP250-29	WP30028	Yellow	25.0	7.3	11.2	30.0	16.0	0.2	0.4	50
WP350-30	WP30030	Red	35.0	8.3	12.7	30.0	16.0	0.2	0.4	50
WP500-40	WP30032	Blue	50.0	10.3	15.0	36.0	20.0	0.3	0.5	50

WPD ferrules with insulated collar – double entry

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.

Reference drawing



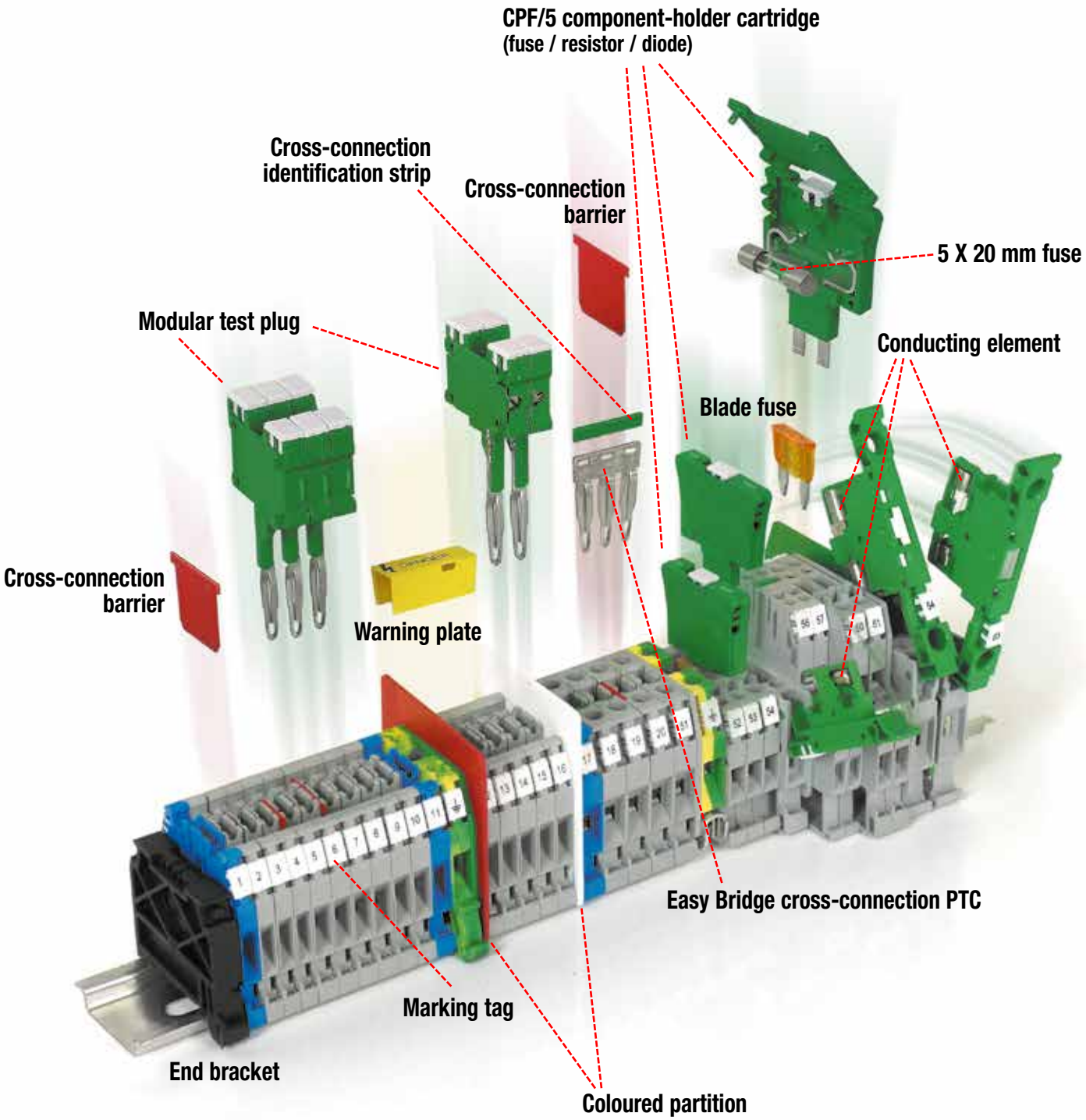
TYPE	CAT. NO.	COLOUR	CROSS-SECTION (mm^2)	DIMENSIONS (mm)							PCS per pack
				D1	D2	D3	L1	L2	S1	S2	
WPD05/15	WP90001	White	2.0 x 0.5	1.5	2.5	4.7	15.7	8.7	0.15	0.3	500
WPD75/15	WP90002	Grey	2.0 x 0.75	1.8	2.8	5.0	15.5	8.9	0.15	0.3	500
WPD01/15	WP90003	Red	2.0 x 1.0	2.3	3.2	5.5	15.8	8.0	0.15	0.3	500
WPD15/16	WP90004	Black	2.0 x 1.5	2.3	3.5	6.5	16.0	8.0	0.15	0.3	500
WPD25/18	WP90005	Blue	2.0 x 2.5	2.9	4.3	7.5	18.3	10.0	0.20	0.4	500
WPD04/23	WP90006	Grey	2.0 x 4.0	3.8	4.9	8.8	23.3	12.5	0.20	0.4	100

TSA cable bindings

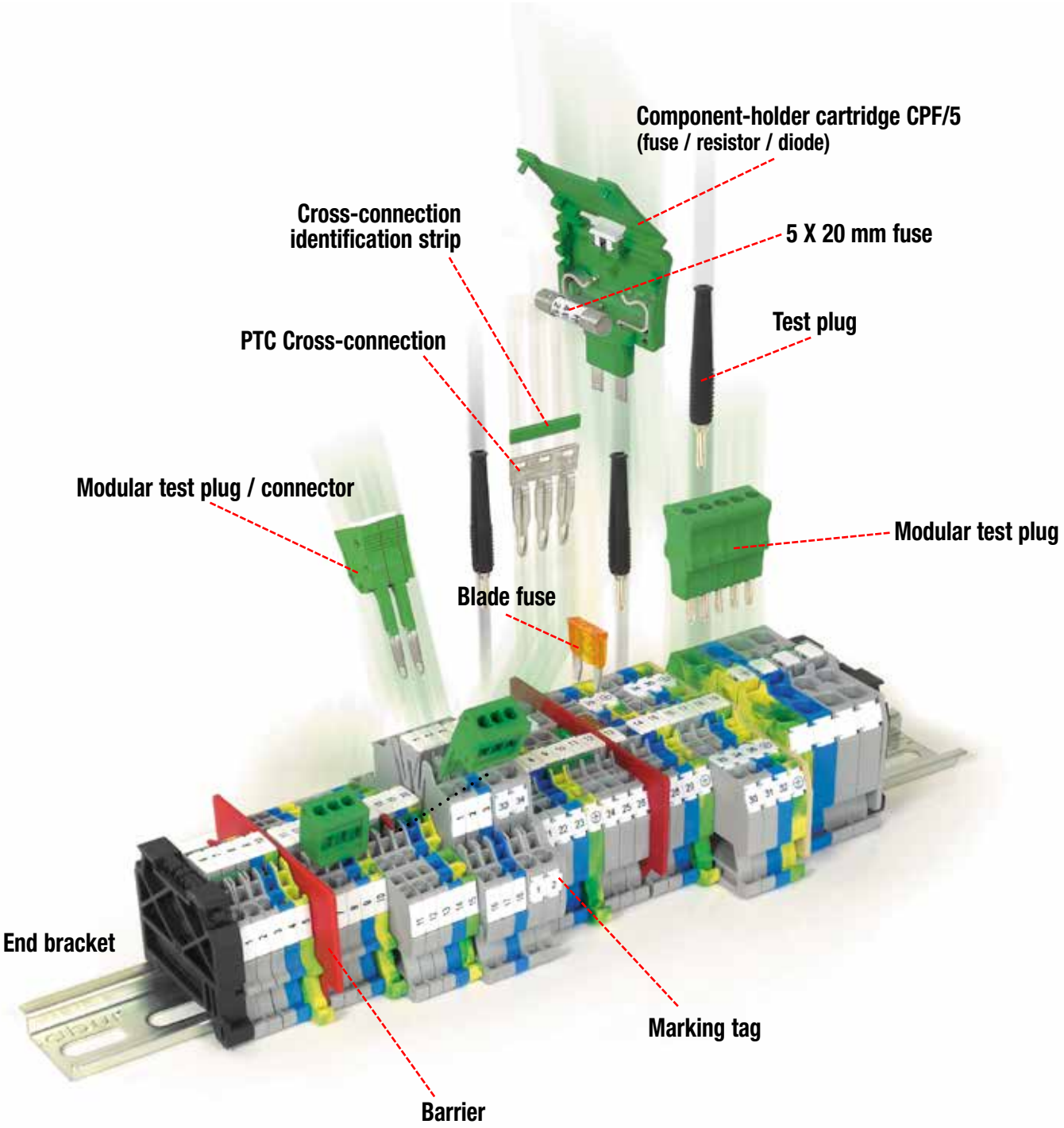
For the rapid wiring of conductors; in self-extinguishing polyamide, available in the following sizes:

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**

Accessories



CBC Series Terminal Block and related Accessories.



H Series Terminal Block and related Accessories.

PT end sections

For each model and section of terminal block a particular platelet for insulating and closing the open element of each terminal board is provided. This platelet can be used also to separate different phases of terminal blocks connected in parallel or to increase the insulation distances, when required by particular situations. The end platelets have the ***size of the related terminal block*** and thickness of 1.5 mm.

Terminal block	End section	
	Type	Cat. No.
Polyamide		
AFO.2/1+1	**AFO/PT**	AF201
AFO.2/2+2	**AFO/PT**	AF201
AFO2/2+2/TP	**AFO/PT**	AF201
CBC.2/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.4/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.6/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.10/GR	**CBC.2-10/PT/GR**	CB061GR
CBC.16/GR	**CBC.16/PT/GR**	CB161GR
CBC.35/GR	**CBC.35/PT/GR**	CB351GR
CBD.2	**CB2/PT**	CB111
CBD.4	**CB4/6/PT**	CB241
CBD.6	**CB4/6/PT**	CB241
CBD.10	**CB10/PT**	CB431
CBD.16	**CB16/PT**	CB511
CBD.35	**CB35/PT**	CB611
CBD.50	**CB50/PT**	CB711
CBD.70	**CB70/PT**	CB811
CBE.2	**CBR/PT**	CR111
CBR.2	**CBR/PT**	CR111
CVF.4	**CVF/PT**	CV101
CVF.4/TP	**CVF/PT**	CV101
CVF.4/TPM	**CVF/PT**	CV101
CVF.4/VS	**CVF/PT**	CV101
CVF.4/VS2	**CVF/PT**	CV101
CVF.4/WW	**CVF/PT**	CV101
CVF.4/GR	**CVF/PT/GR**	CV101GR
CVF.4/TP/GR	**CVF/PT/GR**	CV101GR
DBC.2	**DBC/PT**	DB101
DAS.4	**DAS/PT**	DS101
DAS.4/CI	**DAS/PT**	DS101
DAS.4/SS	**DAS/PT**	DS101
DSF.4/GR	**DFS.4/PT/GR**	DS401GR
DSFA.4	**DSS/PT**	DS301
DSFA.4/GR	**DSS/PT/GR**	DS301GR
DSS.4	**DSS/PT**	DS301
DSS.4/GR	**DSS/PT/GR**	DS301GR
FDP.2	**FDP/PT**	FD101
FDP.2/GR	**FDP/PT/GR**	FD101GR
FFS.4	**FFS/PT**	FF101
FFS.4/GR	**FFS/PT/GR**	FF101GR
FVS.4	**FVS/PT**	FV101
FVS.4/GR	**FVS/PT/GR**	FV101GR
HCD.1/GR	**HCD.1/PT/GR**	HC201GR
HDE.2/GR	**HLD.2/PT/GR**	HL201GR
HFR.4/GR	**HFR.4/PT/GR**	HF211GR
HFR.4/M/GR	**HFR.4/PT/GR**	HF211GR
HLD.2/GR	**HLD.2/PT/GR**	HL201GR
HMD.2/GR	**HMD/PT/GR**	HD101GR
HMF.4/GR	**HMF/PT/GR**	HF111GR
HSCB.4/GR	**HSCB.4/PT/GR**	HB101GR
HSCB.6/GR	**HSCB.6/PT/GR**	HB201GR
HMM.2/GR	**HMT.2/PT/GR**	HM501GR
HMM.2/1+2/GR	**HMT.2/1+2/PT/GR**	HM511GR
HMM.2/2+2/GR	**HMT.2/2+2/PT/GR**	HM521GR
HMM.2/2+2/S/GR	**HMT.2/2+2/PT/GR**	HM521GR
HMM.4/GR	**HMT.4/PT/GR**	HM251GR
HMM.1/GR	**HMT.1/PT/GR**	HM401GR
HMM.1/1+2/GR	**HMT.1/1+2/PT**	HM411GR
HMM.1/2+2/GR	**HMT.1/2+2/PT**	HM421GR
HMD.1/GR	**HMD.1/PT/GR**	HD201GR
HMD.2N/GR	**HMD.1/PT/GR**	HD201GR
HMM.6/GR	**HMT.6/PT/GR**	HM321GR
HMS.2/GR	**HMT.2/2+2/PT/GR**	HM521GR
HMFA.2/GR	**HMT.2/1+2/PT/GR**	HM511GR

Terminal block	End section	
	Type	Cat. No.
HP.2/GR	**HPV/PT/GR**	HV111GR
HPC.2/GR	**HPV/PT/GR**	HV111GR
HPP.2/GR	**HP/PT/GR**	HP101GR
HTE.2	**HMT.2/PT**	HM501GR
HTE.2/1+2	**HMT.2/1+2/PT**	HM511GR
HTE.2/2+2	**HMT.2/2+2/PT**	HM521GR
HTE.4	**HMT.4/PT**	HM251GR
HTE.6	**HMT.6/PT**	HM321GR
HTE.1	**HMT.1/PT**	HM401GR
HTE.1/1+2	**HMT.1/1+2/PT**	HM411GR
HTE.1/2+2	**HMT.1/2+2/PT**	HM421GR
HTTE.2	**HLD.2/PT/GR**	HL201GR
MPS.2/SV	**MPS.2/PT**	MP121
MPS.2/SV/GR	**MPS.2/PT/GR**	MP121GR
MPS.2/SW	**MPS.2/PT**	MP121
MPS.2/SW/GR	**MPS.2/PT/GR**	MP121GR
MPS.2/SWP	**MPS.2/PT**	MP121
MPS.2/SWP/GR	**MPS.2/PT/GR**	MP121GR
MPS.4	**MPS.4/PT**	MP901
MPS.4/GR	**MPS.4/PT/GR**	MP901GR
MPFA.4	**MPS.4/PT**	MP901
MPFA.4/GR	**MPS.4/PT/GR**	MP901GR
MPS.4/SV	**MPS.4/PT**	MP901
MPS.4/SV/GR	**MPS.4/PT/GR**	MP901GR
NCS	**NCS/PT**	NC101
NCV	**NCS/PT**	NC101
PDF.2	**PDF/PT**	PF101
RFI.2/GR	**RFN/PT/GR**	RF101GR
RN.1/GR	**RFN/PT/GR**	RF101GR
RN.2/GR	**RFN/PT/GR**	RF101GR
RP.4/GR	**RP.4/PT/GR**	RP301GR
SCB.4	**SCB/4/PT**	SB301
SCB.4/GR	**SCB/4/PT/GR**	SB301GR
SCB.6	**SCB/6/PT**	SB201
SCB.6/GR	**SCB.6/PT/GR**	SB201GR
SCB.6/DD	**SCB/6/PT**	SB201
SCB.6/DD/GR	**SCB/6/PT/GR**	SB201GR
SCB.10	**SCB/10/PT**	SB401
SCB.10/GR	**SCB/10/PT/GR**	SB401GR
SCB.10/CD	**SCB/10/PT**	SB401
SCB.10/CD/GR	**SCB/10/PT/GR**	SB401GR
SCB.10/DD	**SCB/10/PT**	SB401
SCB.10/DD/GR	**SCB/10/P/GR**	SB401GR
SCB.6/CD	**SCB/6/PT**	SB201
SCB.6/CD/GR	**SCB/6/PT/GR**	SB201GR
SFO.4	**SFO/PT**	SF401
SFO.4/GR	**SFO/PT/GR**	SF401GR
SFO.4/C....	**SFO/PT**	SF401
SFR.4	**SFR/PT**	SF701
SFR.4/C....	**SFR/PT**	SF701
SFR.4/D1A	**SFR/PT**	SF701
SFR.4/D3A	**SFR/PT**	SF701
SFR.4/VS	**SFR/PT**	SF701
SFR.6	**SFR.6/PT**	SR301
TC/PO	**CB2/PT**	CB111
TEO.2	**TEO.2/PT**	TO901
TEO.4	**TEO.4/PT**	TO431
TED.4	**TEO.4/PT**	TO431
TDE.2	**TLS/PT**	TL101
TDE.2/GR	**TLS/PT/GR**	TL201GR
TLD.2	**TLD/PT**	TL201
TLD.2/GR	**TLD/PT/GR**	TL201GR
TLS.2	**TLS/PT**	TL101
TLS.2/GR	**TLS/PT/GR**	TL201GR

Terminal block	End section	
	Type	Cat. No.
TLE.2/GR	**TLS/PT/GR**	TL201GR
VPC.2	**VPC/PT**	VP101
VPC.2/GR	**VPC/PT/GR**	VP101GR
VPD.2/GR	**VPD/PT/GR**	VP501GR
TR.2	**TR.2/PT**	TR111
Polyamide (Ex)i		
CBC.2(Ex)i	**CBC.2-10/PT(Ex)i**	CBI061
CBC.4(Ex)i	**CBC.2-10/PT(Ex)i**	CBI061
CBC.6(Ex)i	**CBC.2-10/PT(Ex)i**	CBI061
CBC.10(Ex)i	**CBC.2-10/PT(Ex)i**	CBI061
CBC.16(Ex)i	**CBC.16/PT(Ex)i**	CBI161
CBC.35(Ex)i	**CBC.35/PT(Ex)i**	CBI351
CBD.2 (Ex)i	**CB2/PT(Ex)i**	CBX13
CBD.4(Ex)i	**CB4/6/PT (Ex)i**	CBX25
CBD.6(Ex)i	**CB4/6/PT (Ex)i**	CBX25
CBD.10(Ex)i	**CB10/PT (Ex)i**	CBX44
CBD.16(Ex)i	**CB16/PT (Ex)i**	CBX53
CBD.35(Ex)i	**CB35/PT (Ex)i**	CBX63
CBD.50(Ex)i	**CB50/PT (Ex)i**	CBX73
CBD.70(Ex)i	**CB70/PT (Ex)i**	CBX83
CVF.4(Ex)i	**CVF/PT (Ex)i**	CV201
DBC.2(Ex)i	**DBC/PT(Ex)i**	DB201
DAS.4(Ex)i	**DAS/PT (Ex)i**	DS201
DAS.4/CI(Ex)i	**DAS/PT (Ex)i**	DS201
HMD.1(Ex)i	**HMD.1/PT(Ex)i**	HD301
HMD.2N(Ex)i	**HMD.1/PT(Ex)i**	HD301
HMM.1(Ex)i	**HMT.1/PT (Ex)i**	HI401
HMM.1/1+2(Ex)i	**HMT.1/1+2/PT(Ex)i**	HI411
HMM.1/2+2(Ex)i	**HMT.1/2+2/PT(Ex)i**	HI421
HMM.2(Ex)i	**HMT.2/PT (Ex)i**	HI501
HMM.2/1+2(Ex)i	**HMT.2/1+2/PT(Ex)i**	HI511
HMM.2/2+2(Ex)i	**HMT.2/2+2/PT(Ex)i**	HI521
HMM.4 (Ex)i	**HMT.4/PT (Ex)i**	HI251
HMM.4 (Ex)i	**HMT.6/PT (Ex)i**	HI321
HP.2(Ex)i	**HP/PT (Ex)i**	HP201
HP.2/P(Ex)i	**HP/PT (Ex)i**	HP201
HPC.2(Ex)i	**HP/PT (Ex)i**	HP201
HPC.2(Ex)i	**HP/PT (Ex)i**	HP201
HPC.2/P(Ex)i	**HP/PT (Ex)i**	HP201
HPP.2(Ex)i	**HP/PT (Ex)i**	HP201
HPP.2/P(Ex)i	**HP/PT (Ex)i**	HP201
MPS.2/SW(Ex)i	**MPS.2/PT(EX)i**	MP131
MPS.4(Ex)i	**MPS.4/PT(EX)i**	MP902
RN.1 (Ex)i	**RFN/PT(Ex)i**	RF201
RN2 (Ex)i	**RFN/PT(Ex)i**	RF201
RP.4(Ex)i/PT	**RP.4/PT(Ex)i**	RP401
SFO.4(Ex)i	**SFO/PT (Ex)i**	SF601
SFR.4(Ex)i	**SFR/PT (Ex)i**	SF801
SFR.6(Ex)i	**SFR.6/PT(Ex)i**	SR401
TC/PO(Ex)i	**CB2/PT (Ex)i**	CBX13
TLD.2(Ex)i	**TLD/PT (Ex)i**	TL301
VPC.2(Ex)i	**VPC/PT (Ex)i**	VP201
VPD.2(Ex)i	**VPD/PT(Ex)i**	VP561

End brackets

BTU

Cat. No. **BT005**

Universal end bracket, suitable for rails conforming to both IEC 60715, "G32" type and IEC 60715/TH35 (our types PR/DIN and PR/3); it is mounted directly in the desired position and does not require screw fixing.

- in black polyamide
- thickness: 8 mm

BTO

Cat. No. **BT007**

End bracket suitable for IEC 60715/TH35 rails (our types PR/3); it is mounted directly in the desired position and does not require screw fixing. Particularly suitable if there are rail fixing screws with high heads.

- in black polyamide
- thickness: 8 mm

BT/3

Cat. No. **BT003**

To be mounted on rails in accordance with the IEC 60715/TH35 standard (our type PR/3).

- in black polyamide
- thickness: 8 mm

BT/2

Cat. No. **BT006**

To be mounted on rails in accordance with the IEC 60715/TH15 standard (our type PR/2).

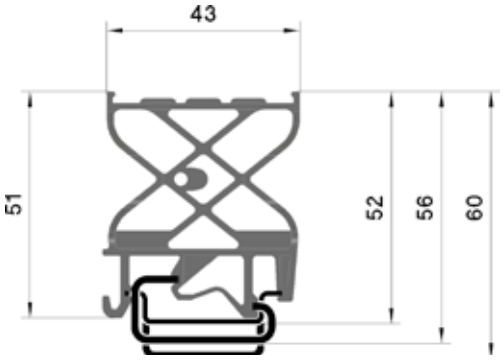
- in black polyamide
- thickness: 8 mm

PTM Series

Tag holder supports

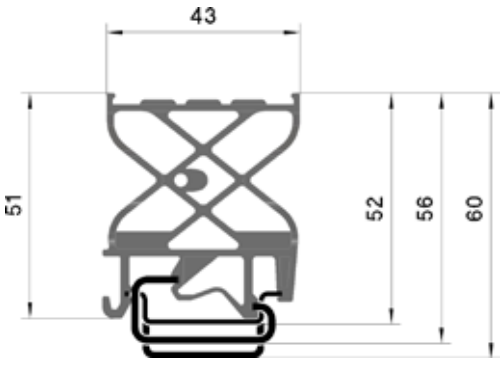
- Universal mounting for both PR/DIN and PR/3 rails which meet IEC 60715 norms, “G32” and TH/35 types
- Made of 6.6 UL94V-0 polyamide - available in grey (RAL 7042)

Support for tags 40 x 16.5 x 0.5 mm		PTM Cat. No. **PTM**
height / width / thickness	TH/35 7.5 mm	52 / 43 / 19.5
height / width / thickness	TH/35 15 mm	60 / 43 / 19.5
height / width / thickness	G32	56 / 47 / 19.5



Thanks to the special stop wings, the support can be used both with the adhesive tags provided (together with the product) and with non-adhesive tags of the same size.

Support for tags 40 x 7 x 0.5 mm		PTMS Cat. No. **PTMS**
height / width / thickness	TH/35 7.5 mm	52 / 43 / 19.5
height / width / thickness	TH/35 15 mm	60 / 43 / 19.5
height / width / thickness	G32	56 / 47 / 19.5



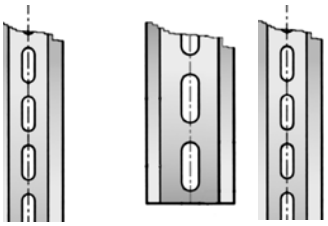
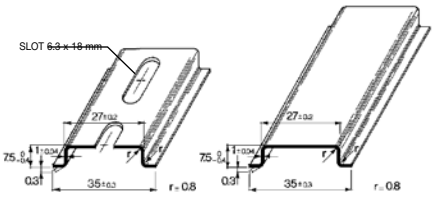
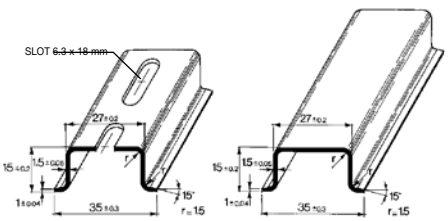
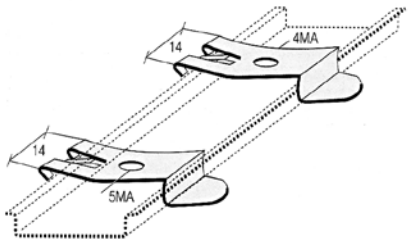
Thanks to the special stop wings, the support can be used both with the adhesive tags provided (together with the product) and with non-adhesive tags of the same size.

ACCESSORIES			
Adhesive pre-sheared tag	(40 x 16.5 x 0.5 mm)	**TA1640AW**	TA1640AW
Adhesive pre-sheared tag	(40 x 7 x 0.5 mm)	**TA407AW**	TA407AW
End bracket		**BTU** for PR/DIN and PR/3 **BT/DIN/PO** for PR/DIN only **BT/3-BTO** only for PR/3	BT005 BT001 BT003-BT007

The height of the tag supports corresponds to that of the CBC.2–10 terminal blocks

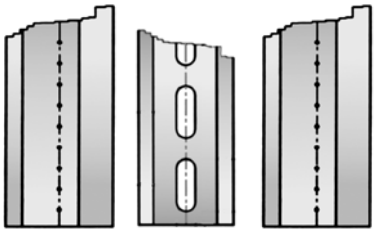
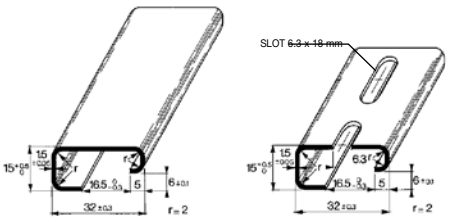
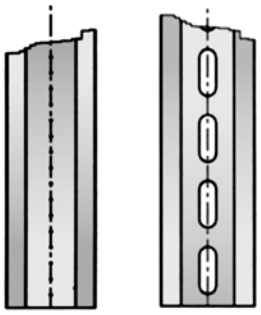
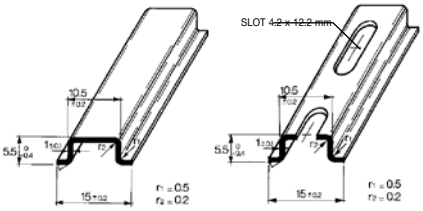
Mounting rails

- conforming to IEC 60715/TH35 - 7.5
- conforming to IEC 60715/TH35 - 15
- supports for TH/35 rail
- rail supplied with 2 m bars

DESCRIPTION	TYPE / CAT.NO.	DIAGRAMS
Rail conforming to IEC 60715/TH35 - 7.5 in passivated steel	**PR/3/AC** Cat. No. PR003	
Rail conforming to IEC 60715/TH35 - 7.5 in white galvanised steel "SENDZMIR" system	**PR/3/AC/ZB** Cat. No. PR903	
Rail conforming to IEC 60715/TH35 - 7.5 in passivated steel with slots	**PR/3/AS** Cat. No. PR005	
Rail conforming to IEC 60715/TH35 - 7.5 in white galvanised steel "SENDZMIR" system with slots	**PR/3/AS/ZB** Cat. No. PR905	
Rail conforming to IEC 60715/TH35 - 15 in passivated steel	**PR/3/PP** Cat. No. PR007	
Rail conforming to IEC 60715/TH35 - 15 in white galvanised steel "SENDZMIR" system	**PR/3/PP/ZB** Cat. No. PR907	
Rail conforming to IEC 60715/TH35 - 15 in passivated steel with slots	**PR/3/PA** Cat. No. PR006	
Rail conforming to IEC 60715/TH35 - 15 in white galvanised steel "SENDZMIR" system with slots	**PR/3/PA/ZB** Cat. No. PR906	
Support for IEC 60715/TH35 rails in nickel-plated steel with rapid-mounting system 4 MA	**ACI121017** Cat. No. Z121017	
Support for IEC 60715/TH35 rails in nickel-plated steel with rapid-mounting system 5 MA	**ACI121019** Cat. No. Z121019	

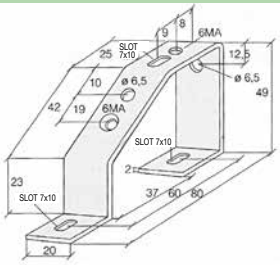
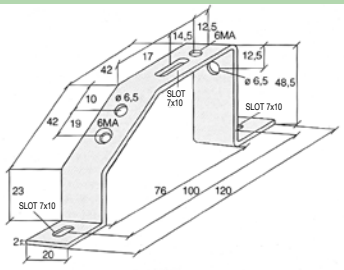
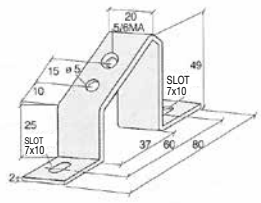
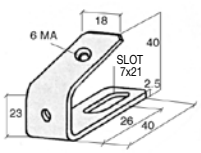
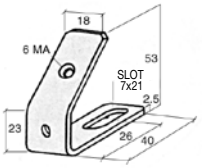
Mounting rails

- conforming to IEC 60715, "G32" type
- conforming to IEC 60715/TH15 - 5.5

DESCRIPTION	TYPE / CAT.NO.	DIAGRAMS
Rail conforming to IEC 60715, "G32" type in passivated steel	**PR/DIN/AC** Cat. No. PR001	
Rail conforming to IEC 60715, "G32" type in white galvanised steel "SENDZMIR" system	**PR/DIN/AC/ZB** Cat. No. PR901	
Rail conforming to IEC 60715, "G32" type in passivated steel with slots	**PR/DIN/AS** Cat. No. PR004	
Rail conforming to IEC 60715, "G32" type in white galvanised steel "SENDZMIR" system with slots	**PR/DIN/AS/ZB** Cat. No. PR904	
Rail conforming to IEC 60715, "G32" type in aluminium	**PR/DIN/AL** Cat. No. PR002	
Rail conforming to IEC 60715/TH15 - 5.5 in passivated steel	**PR/2/AC** Cat. No. PR009	
Rail conforming to IEC 60715/TH15 - 5.5 in white galvanised steel "SENDZMIR" system	**PR/2/AC/ZB** Cat. No. PR909	
Rail conforming to IEC 60715/TH15 - 5.5 in passivated steel with slots	**PR/2/AS** Cat. No. PR010	
Rail conforming to IEC 60715/TH15 - 5.5 in white galvanised steel "SENDZMIR" system with slots	**PR/2/AS/ZB** Cat. No. PR910	

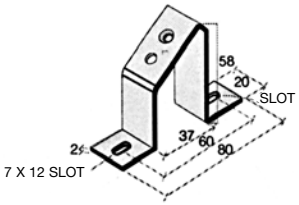
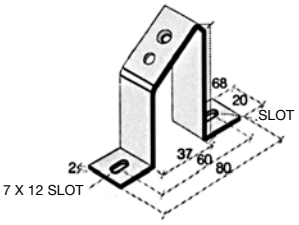
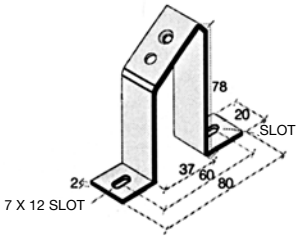
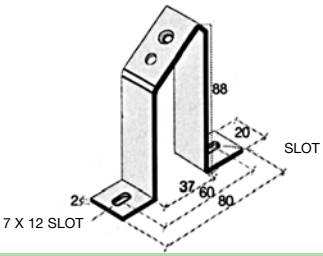
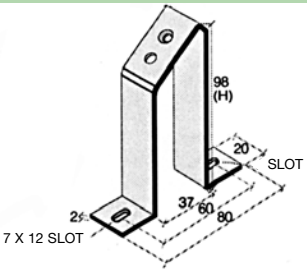
Accessories for mounting rails

- inclined bracket
- conforming to the RoHS Directive

DESCRIPTION	TYPE / CAT.NO.	DIAGRAMS
Zinc-plated inclined bracket Copper **6 x 6 mm** busbar holder for mounting of terminal block holder rails, with the possibility of mounting a (collecting) busbar along the entire length of the terminal block.	**ACI121116** Cat. No. Z121116	
Zinc-plated inclined bracket Copper **6 x 6 mm** busbar holder for mounting of terminal block holder rails, with the possibility of mounting a (collecting) busbar along the entire length of the terminal block.	**ACI121301** Cat. No. Z121301	
Zinc-plated inclined bracket Standard type **2 M5** busbar holder with 2 screw fixing.	**ACI121311** Cat. No. Z121311	
Zinc-plated inclined bracket Copper type **2 M6** busbar holder with 2 screw fixing.	**ACI121314** Cat. No. Z121314	
Inclined bracket at 30° Standard type **6 M6** busbar holder with 1 screw fixing.	**ACI121415** Cat. No. Z121415	
Inclined bracket at 45° Standard type **1 M6** busbar holder with 1 screw fixing.	**ACI121228** Cat. No. Z121228	

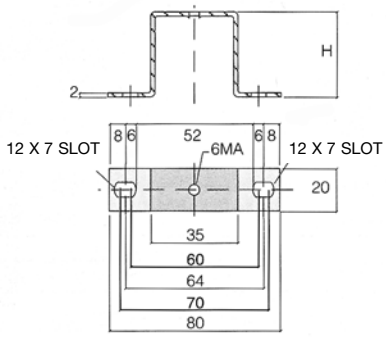
Accessories for mounting rails

- galvanised busbar holder inclined brackets suitable for fixing terminal block holder rails - M6 thread
- conforming to the RoHS Directive

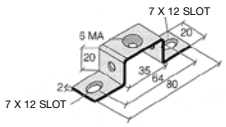
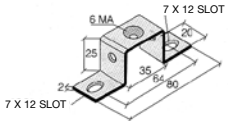
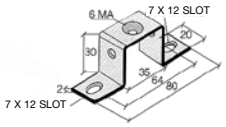
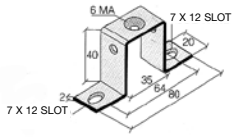
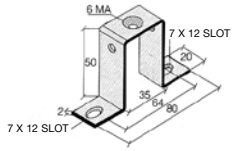
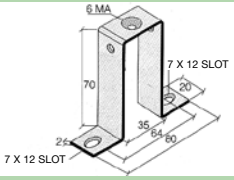
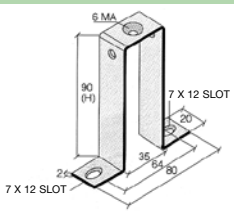
DESCRIPTION	TYPE / CAT.NO.	DIAGRAMS
Inclined rail holder, standard **H = 58 mm**	**ACI121316** Cat. No. Z121316	
Inclined rail holder, standard **H = 68 mm**	**ACI121317** Cat. No. Z121317	
Inclined rail holder, standard **H = 78 mm**	**ACI121318** Cat. No. Z121318	
Inclined rail holder, standard **H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

Accessories for mounting rails

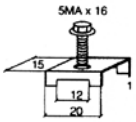
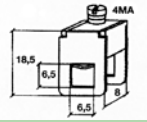
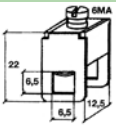
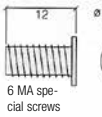
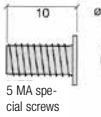
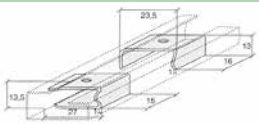
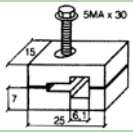
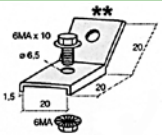
- galvanised standard busbar holder flat brackets suitable for fixing terminal block holder rails, M6 thread
- conforming to the RoHS Directive



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

DESCRIPTION	TYPE / CAT.NO.	DIAGRAMS
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.	DIAGRAMS
6 x 6 mm copper busbar L = 2,000 appropriate for assembly with terminal blocks electrical wire grounding	**ACI121123** Cat. No. Z121123	
6 x 6 mm copper busbar blocking terminal with 6 MA x 12 mm screws	**ACI121118** Cat. No. Z121118	 5MA x 16
Terminal with saddle for 6 x 6 mm copper busbar wire section 0.5-16 mm²	**ACI121119** Cat. No. Z121119	
Terminal with saddle for 6 x 6 mm copper busbar wire section 4-35 mm²	**ACI121121** Cat. No. Z121121	  with slide
Special hexagon slot 6 MA x 12 mm screw	**ACI121026** Cat. No. Z121026	  hexagonal indentation
Special hexagon slot 5 MA x 10 mm screw	**ACI121421** Cat. No. Z121421	  hexagonal indentation
4 MA nut for rapid mounting for 32 x 9 x 15 mm steel bar	**ACI121211** Cat. No. Z121211	
5 MA nut for rapid mounting for 32 x 9 x 15 mm steel bar	**ACI121212** Cat. No. Z121212	
6 x 6 mm copper busbar blocking terminal with 6 MA x 25 mm screws	**ACI121221** Cat. No. Z121221	
Inclined copper busbar support with 6 MA x 10 mm screws and 6 MA nut	**ACI121307** Cat. No. Z121307	

Pre-assembled cross connections

- These are supplied pre-assembled for 2-3-5-10 poles.
- They enable cross connection of two or more contiguous terminal blocks and are placed in an **accident prevention position** with respect to the outside.
- All the components are made of brass with nickel-plating surface treatment.

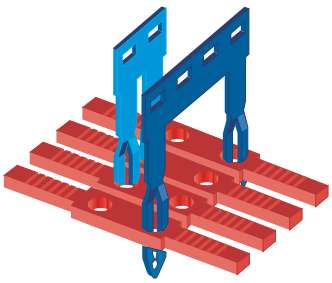
Screw-clamp terminal blocks

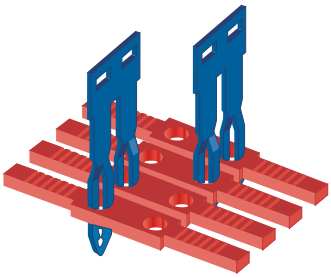
Terminal block	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper	
	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
CBD.2	**PM/20/2**	PM202	**PM/20/3**	PM203	**PM/20/5**	PM205	**PM/20/10**	PM210
CBD.4	**PM/40/2**	PM402	**PM/40/3**	PM403	**PM/40/5**	PM405	**PM/40/10**	PM400
CBD.6	**PM/60/2**	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/51/3**	PM513	**PM/51/5**	PM515	**PM/51/10**	PM510
DAS.4	**PM/41/2**	PM412	**PM/51/3**	PM513	**PM/51/5**	PM515	**PM/51/10**	PM510
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
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

- snap coupling, with no screws
- possibility of cross and offset-pole connection
- when inserted, **intrinsically IPXXB protected installation**, without the aid of further insulating protections
- system covered by patent





1

2

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4

5

1-2 After cutting the bar for the number of poles necessary, insert the cross connection in the special cavity of the terminal block. At this point working with the tip of a screwdriver, push the cross connection up to the locking point. The cross connection will be completely isolated and intrinsically IPXXB protected.

3-4 After inserting the cross connection, the poles connected can be highlighted with the aid of the green insert, PTC/SP. This accessory is supplied in the standard length of 100 mm and can easily be sliced with the aid of a simple cutter.

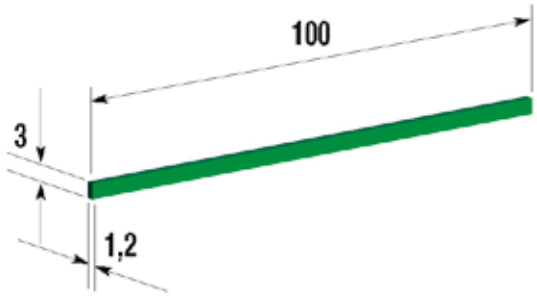
5 To remove the cross connection it is sufficient to remove the PTC/SP insert, insert the tip of the screwdriver in the slot of the cross connection itself, lever it and pull it out.

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**
HDE.2/GR (**)	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HLD.2/GR (**)	**PTC/3/02**	PTC0302	**PTC/3/03**	PTC0303	**PTC/3/05**	PTC0305	**PTC/3/10**	PTC0310	**PTC/3/00**	PTC0300	**47**
HFR.4/GR	**PTC/5/02**	PTC0502	–	–	–	–	–	–	–	–	**-**
HFR.4/M/GR	**PTC/5/02**	PTC0502	**PTC/5/03**	PTC0503	**PTC/5/05**	PTC0505	**PTC/5/10**	PTC0510	**PTC/5/00**	PTC0500	**40**
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**

(*) Article available also in grey.
(**) Including the versions /1+2, /2+2 and/or the corresponding earth terminal blocks, if available.

Cross connections

Easy Bridge System

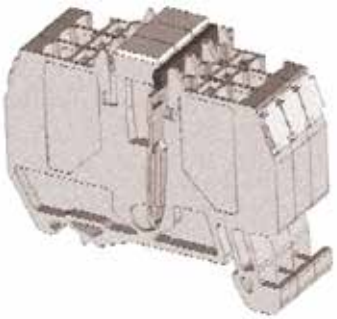


In addition to the traditional Easy Bridge system, the new Easy Bridge Plus cross connection, with high visibility, is now available.

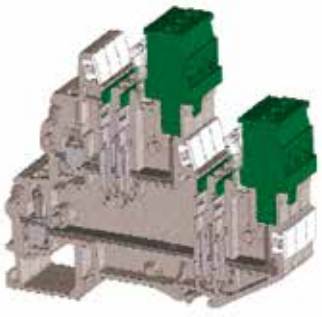
In panels with little light, seeing clearly where the cross connections are inserted is not always immediate and easy if particular attention is not paid; this can cause connection errors.
It is precisely to solve this problem that Cabur has created a marker to be used on its terminal blocks that adopt PTC cross connections, in order to make locating them easier, after insertion.

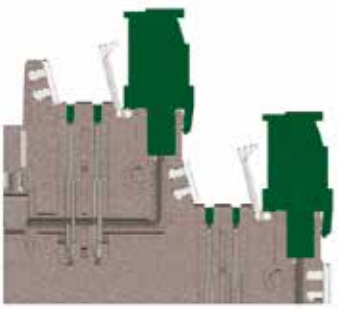
A **single model was created (PTC/SP - Cat. No. PTC0990)** common to all terminal blocks, irrespective of the pitch or the model of the PTC cross connection used. The marker must be housed in the cross-connection seat; stability on the terminal block is guaranteed by the friction on the walls of the cross-connection insertion grooves.

Examples of application on the HMM.2 terminal block
The dimensions of the marker have been studied so as not to protrude from the profile of any of the terminal blocks on which it can be applied, so as not to interfere with numbering, cables or other accessories.
The marker can be applied also in the case of double cross connections. It is to be noted that the marker can be applied in the presence of other accessories, without having to be extracted in advance.



Examples of application on the VPD.2 terminal block
The marker is produced in sticks of a length of 100 mm each and is supplied in green. Users can autonomously reduce its length according to their needs.
The cutting operation is possible with no difficulty using a common pair of pliers, because the thickness of the sticks, made of polyamide, is only 1.20 mm.

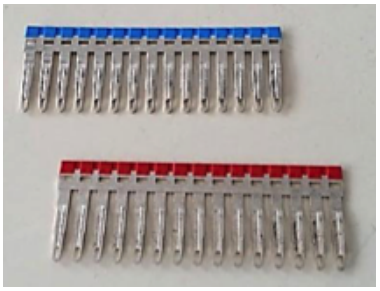




NOTE. Application of the PTC/SP marker is possible on all terminal blocks that adopt PTC cross connections (as in the list) with the exception of the HCD.1 and HMD.2N terminal blocks: in these two terminal blocks the shape of the cross-connection seat makes it impossible to obtain the friction necessary to guarantee stably the positioning and permanence. In the same way the cross connections of these two terminal blocks have a less deep introduction compared to all the others and therefore the presence of the cross connection can be seen without the need for the marker.

Cross connections

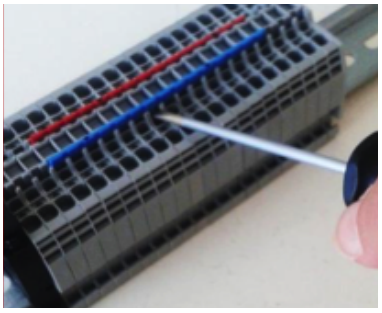
Easy Bridge Plus System



- Snap coupling, with no screws
- Possibility of cross and offset-pole connections
- After insertion, the cross connection is intrinsically IPXXB protected
- Colours **red** or **blue** for immediate visibility of the cross connection and identification of polarity or phase
- Upper surface markable with indelible marker pen

1

2



3

1. After cutting the bar for the number of poles necessary, insert the cross connection in the special seat in the terminal block. With the tip of the screwdriver push the cross-connection until it comes to a stop. The cross connection will be completely insulated, intrinsically IPXXB protected and visible.
2. The upper surface can be marked with an indelible marker pen to indicate the presence of the pole and of the electrical connection with the underlying terminal block in cross connections with alternating poles
3. To remove the cross connection it is sufficient to insert the tip of the screwdriver in the slot of the cross connection itself and lever it to pull it out; with cross connections of more than 5 poles lever gradually at the centre and at the two ends until it is completely extracted

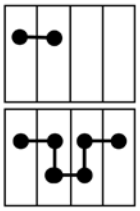
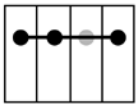
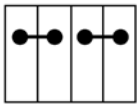
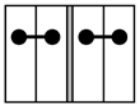
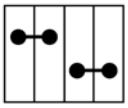
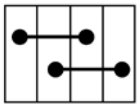
Terminal block	Jumper colour	2-pole jumper		3-pole jumper		5-pole jumper		10-pole jumper		30-pole jumper	
		Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
CBC.2/GR	RED	**PTP/2/02/R**	PTP0202R	**PTP/2/03/R**	PTP0203R	**PTP/2/05/R**	PTP0205R	**PTP/2/10/R**	PTP0210R	**PTP/2/30/R**	PTP0230R
	BLUE	**PTP/2/02/B**	PTP0202B	**PTP/2/03/B**	PTP0203B	**PTP/2/05/B**	PTP0205B	**PTP/2/10/B**	PTP0210B	**PTP/2/30/B**	PTP0230B
CBC.4/GR	RED	**PTP/4/02/R**	PTP0402R	**PTP/4/03/R**	PTP0403R	**PTP/4/05/R**	PTP0405R	**PTP/4/10/R**	PTP0410R	**PTP/4/30/R**	PTP0430R
	BLUE	**PTP/4/02/B**	PTP0402B	**PTP/4/03/B**	PTP0403B	**PTP/4/05/B**	PTP0405B	**PTP/4/10/B**	PTP0410B	**PTP/4/30/B**	PTP0430B
CBS.2 and CBS.2/GR	RED	**PTP/2/02/R**	PTP0202R	**PTP/2/03/R**	PTP0203R	**PTP/2/05/R**	PTP0205R	**PTP/2/10/R**	PTP0210R	**PTP/2/30/R**	PTP0230R
	BLUE	**PTP/2/02/B**	PTP0202B	**PTP/2/03/B**	PTP0203B	**PTP/2/05/B**	PTP0205B	**PTP/2/10/B**	PTP0210B	**PTP/2/30/B**	PTP0230B
CBS.4 and CBS.4/GR	RED	**PTP/4/02/R**	PTP0402R	**PTP/4/03/R**	PTP0403R	**PTP/4/05/R**	PTP0405R	**PTP/4/10/R**	PTP0410R	**PTP/4/30/R**	PTP0430R
	BLUE	**PTP/4/02/B**	PTP0402B	**PTP/4/03/B**	PTP0403B	**PTP/4/05/B**	PTP0405B	**PTP/4/10/B**	PTP0410B	**PTP/4/30/B**	PTP0430B
CBF.4/GR	RED	**PTP/4/02/R**	PTP0402R	**PTP/4/03/R**	PTP0403R	**PTP/4/05/R**	PTP0405R	**PTP/4/10/R**	PTP0410R	**PTP/4/30/R**	PTP0430R
	BLUE	**PTP/4/02/B**	PTP0402B	**PTP/4/03/B**	PTP0403B	**PTP/4/05/B**	PTP0405B	**PTP/4/10/B**	PTP0410B	**PTP/4/30/B**	PTP0430B
HMM.2/GR (*)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HMM.4/GR (*)	RED	**PTP/5/02/R**	PTP0502R	**PTP/5/03/R**	PTP0503R	**PTP/5/05/R**	PTP0505R	**PTP/5/10/R**	PTP0510R	**PTP/5/30/R**	PTP0530R
	BLUE	**PTP/5/02/B**	PTP0502B	**PTP/5/03/B**	PTP0503B	**PTP/5/05/B**	PTP0505B	**PTP/5/10/B**	PTP0510B	**PTP/5/30/B**	PTP0530B
HMD.2N/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HLD.2/GR (*)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HDE.2/GR (*)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
CHP.2/GR (*)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
CHP.2D/GR (*)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HVPC.2/GR(*)	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HMS.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HMFA.2/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HSCB.4/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B
HFR.4/M/GR	RED	**PTP/3/02/R**	PTP0302R	**PTP/3/03/R**	PTP0303R	**PTP/3/05/R**	PTP0305R	**PTP/3/10/R**	PTP0310R	**PTP/3/30/R**	PTP0330R
	BLUE	**PTP/3/02/B**	PTP0302B	**PTP/3/03/B**	PTP0303B	**PTP/3/05/B**	PTP0305B	**PTP/3/10/B**	PTP0310B	**PTP/3/30/B**	PTP0330B

(*) Including the versions /1+2, /2+2 and the corresponding earth terminal blocks, if available.

Cross connections

Easy Bridge and Easy Bridge Plus Systems

To guarantee the correct safety conditions, after insertion and depending on the multiple connection schemes obtainable using the PTC/PTP cross connections, the table below is provided:

PTC/PTP cross connection connection schemes					
SINGLE OR PARALLEL EXTENDING	POLE SKIPPING	ADJACENT WITHOUT BARRIER	ADJACENT WITH BARRIER OR END SECTION	OFFSET	CROSSED
					

Terminal block	Jumper type	Isolation voltage in the above configurations (V)					
CBC.2	**PTC/2 PTP/2**	630	630	-	500	500	500
CBC.4	**PTC/4 PTP/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 PTP/3**	630	500	-	500 (*)	630	630
HMM.4 Series	**PTC/5 PTP/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**	630	500	-	250 (**)	500	500
	PTC/2	630	500	-	630 (***)	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 interposition of end platelet*
(**) between lower adjacent cross connections (with barrier)
(***) between upper adjacent cross connections (with barrier)

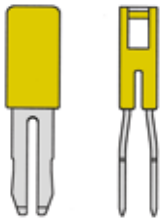




Cross connections

For HMD.2 and FDP.2 terminal blocks

PH jumper



Terminal block	Jumper type	Cat. No.
HMD.2	**PH/2.5-4**	PH100
FDP.2	**PH/2.5-4**	PH100

PHD/2 jumper

HMD.2/GR cat. no. HD100GR

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

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

They enable cross connection of two adjacent terminal blocks and are placed in an accident prevention position with respect to the outside.

The **POF** is made up of:
- 2 screws
- 2 sleeves
- 1 plate with 2 holes

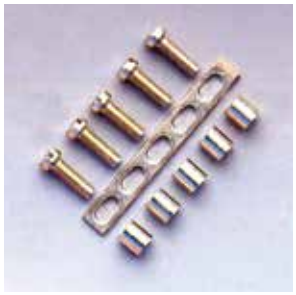
All the components are in brass, with nickel plating.

NOTE:
*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/35**	POF35	M4 x 21	8 x 12	10 x 4
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 2.5
CBD.50	**POF/07**	POF07	M5 x 20	8 x 12	10 x 2,5
CBD.70	**POF/08**	POF08	M5 x 25	8 x 15	10 x 2,5
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 0.8
SCB.6	**POF/57**	POF57	M3.5 x 28	6 x 19	7 x 1
SCB.10	**POF/56**	POF56	M4.5 x 20	7 x 13.5	7 x 1.5
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 multiple connection of several terminal blocks, whether adjacent or not, is supplied in 250 mm sections with holes adequate for the pitch of each terminal block. The bar is supported and fixed, in correspondence with each element, by a special **CPM** sleeve screw.
In use on terminal boards destined for "increased safety" (Ex e) plants the CPM screws/sleeves are fitted with self-locking washers and their part number is changed to **CPX**.

Terminal block	Commoning bar		l x s mm	Number 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	**CPX/53**	CPX53
CBC.35	**PMP/35**	PMP35	10 x 4	16	**CPM/35**	CPM35	**CPX/35**	CPX35
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 2.5	16	**CPM/06**	CPM06	**CPX/06**	CPX06
CBD.50	**PMP/07**	PMP07	10 x 2.5	14	**CPM/07**	CPM07	**CPX/07**	CPX07
CBD.70	**PMP/08**	PMP08	10 x 2.5	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	**-**	-
DAS.4	**PMP/58**	PMP58	5.5 x 0.6	42	**CPM/01**	CPM01	**CPX/01**	CPX01
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 2.5	12	**CPM/70**	CPM70	**-**	-
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 0.8	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	**-**	-
SCB.6	**PMP/13**	PMP13	7 x 1	31	**CPM/57**	CPM57	**-**	-
SCB.10	**PMP/56**	PMP56	7 x 1.5	24	**CPM/56**	CPM56	**-**	-
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	**-**	-

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 30	5.5 x 21.5
CBD.16	**POS/44**	POS44	4 x 30	5.5 x 21.5
CBD.35	**POS/66**	POS66	4 x 30	8 x 23.5
CBD.50	**POS/77**	POS77	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
FFS.4	**POS/72**	POS72	3 x 20	4 x 14.5
FVS.4	**POS/72**	POS72	3 x 20	4 x 14.5
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

The modular test plugs make it possible to carry out the final check on terminal boards already wired or a simple derivation.
The tester is positioned directly in the housing of the terminal block like a normal test plug. The extreme simplicity of the modularity makes it possible to assemble the tester in a number of poles according to the various 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**

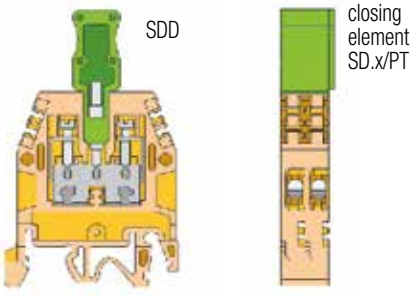
closing element for SDD/5

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



• Screw-clamp

SDC/5 Cat. No. **DC005**

pitch 5 mm.
for terminal blocks type CBC.2/GR

SDC/6 Cat. No. **DC006**

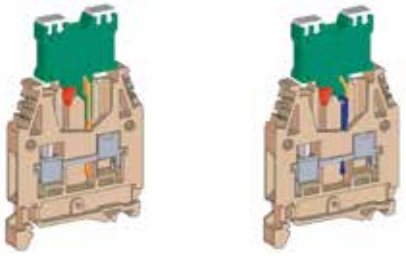
pitch 6 mm.
for terminal blocks type CBC.4/GR

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

Test plugs for spring-clamp terminal blocks

• with solder lug

SDH/4 Cat. No. **DH004**

pitch 4.2 mm
for terminal blocks: HMM.1, HMM.1/1+2, HMM.1/2+2, HMD.1

SDH/4P Cat. No. **DH04P**

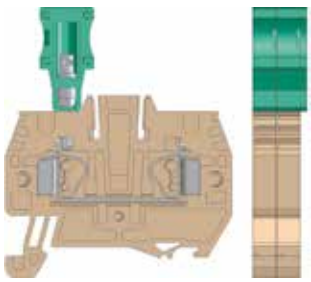
version to be used with PTC jumper

SH4/PT Cat. No. **DH401**

closing element for SDH/4

SDH/5 Cat. No. **DH005**

pitch 5.2 mm
for terminal blocks HMM.2 - HMM.2/1+2 - HMM.2/2+2 - HMD.2 - HMS.2 - HP.2 Series - HP.2/P



SH5/PT Cat. No. **DH501**

closing element for SDH/5

SDH/6 Cat. No. **DH006**

pitch 6.2 mm
for HMM.4 terminal blocks

SH6/PT Cat. No. **DH601**

closing element for SDH/6

SDH/7 Cat. No. **DH007**

pitch 5.2 mm
for terminal blocks HMD.2N/GR, HMD.2N/X/GR, HMD.2N/X1/GR

SDH/7P Cat. No. **DH07P**

version to be used with PTC jumper

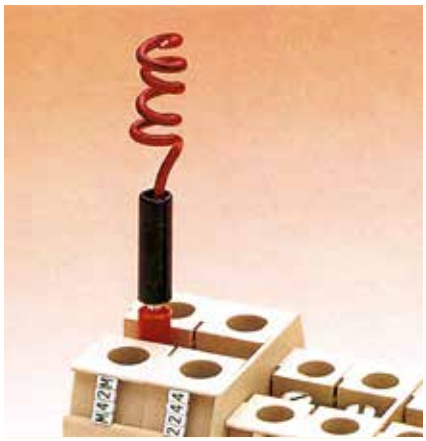
SH7/PT Cat. No. **DH701**

closing element for SDH/7

The SDH/5 and SDH/6 test plugs can be combined together.

PSD sockets - SDD plugs

For measurements and checks on circuits which are related to the terminal boards, the following special items can be supplied:
- insulated sockets (**PSD**) screwable onto the conductor body of the terminal blocks.
- plugs (**SDD**) of the bundle type, made of silver-plated 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/B**	PD002	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
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
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/K**	PD011	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/6-SDD/1**	DD006-DD001	2.3
SCB.6	**PSD/P**	PD015	4.05	**SDD/2**	DD002	4
SCB.10	**PSD/L**	PD009	4.05	**SDD/2**	DD002	4
SFC.10	**-**	-	-	**SDD/2**	DD002	4
SFR.4	**PSD/J**	PD014	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

According to the IEC 60127-2-1- standard with rapid burn-out for voltage 250 V. In small steatite tube filled with spark-quenching powder (interruption power 1500 A).

Burn-out characteristics of the F5 fuses according to DIN 41571 standards

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

Burn-out characteristics of the F5 fuses according to IEC 127/I and II standards

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 5/18/75 homologation - 220V - 50 Hz - 1500 A
630 mA	**F5/630 mA**	FN005ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
1 A	**F5/1 A**	FN006ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
1.6 A	**F5/1.6 A**	FN007ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
2 A	**F5/2 A**	FN008ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
2.5 A	**F5/2.5 A**	FN009ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
3.15 A	**F5/3.15 A**	FN010ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
4 A	**F5/4 A**	FN011ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
5 A	**F5/5 A**	FN012ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
6.3 A	**F5/6.3 A**	FN013ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
8 A	**F5/8 A**	FN014ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
10 A	**F5/10 A**	FN015ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A
12 A	**F5/12 A**	FN016ST	* RINA 5/18/75 homologation - 220V - 50 Hz - 1500 A

LSN torpedo pilot bulbs

Cat. No.	Technical
FL201	Festoon light bulb Ø 6 x 26 mm, with stabiliser resistance incorporated, for voltage between 12 V AC and 48 V AC, for use on FLD.10/F5L, FLD.10/F6, FPL.10 terminal blocks.
FL202	Festoon light bulb Ø 6 x 26 mm, with stabiliser resistance incorporated, for voltage between 70 V AC and 380 V AC, for use on FLD.10/F5L, FLD.10/F6, FPL.10 terminal blocks.
KIT1224	For SFR.6 and SFR.6/M terminal blocks.
KIT70380	For SFR.6 and SFR.6/M terminal blocks.

CIL signal circuit

For signalling the status of fuse-holder terminal blocks types SFR.4 - MAC.6 and FPL.10.
Suitable for use in circuits powered both in D.C. and A.C.

Each packet is supplied with:
- two contact blades
- one non-polarised LED microcircuit
- one transparent protection.

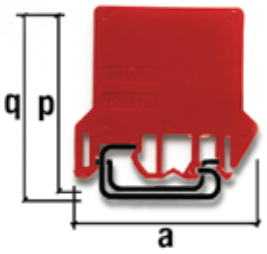
The components are inserted inside the terminal block in this sequence

(*) values are to be considered with a tolerance ±10%

Type	Cat. No.	Rated voltage [V DC - V AC]	Current I r.m.s. [A] (*)
CIL/12-48	SF518	12-48	3.0 mA
CIL/115-230	SF510	115-230	2.3 mA

DFU-DFH-DFP partitions

Made of red polyamide, thickness 1.5 mm, to be placed to separate the elements on the terminal board to enable easy identification of certain circuits or to increase the insulation distances between the terminal blocks.
The partitions can also be used to increase the insulation distances between adjacent cross connections or multiple parallel platelets.



q dimension can be obtained by adding 4 mm to dimension p

NOTE:
q dimension can be obtained by adding 4 mm to dimension **p**

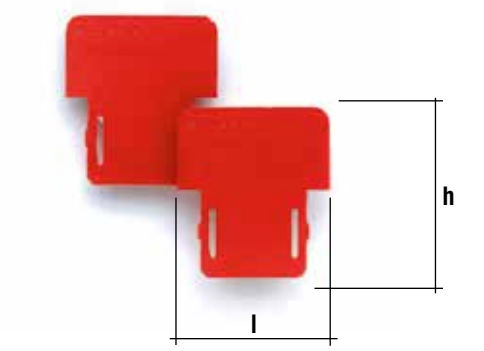
Terminal block	Partition		Dimensions h x d
	Type	Red code	
Screw-clamp terminal blocks			
AFO.2/1+1	**DFU/1/R**	DU01R	52 x 51
AFO.2/2+2	**DFU/1/R**	DU01R	52 x 51
CBC.2	**DFU/4/R**	DU04R	52 x 62
CBC.4	**DFU/4/R**	DU04R	52 x 62
CBC.6	**DFU/4/R**	DU04R	52 x 62
CBC.10	**DFU/4/R**	DU04R	52 x 62
CBC.16	**DFU/4/R**	DU04R	52 x 62
CBC.35	**DFU/5/R**	DU05R	62 x 68
CBD.2	**DFU/1/R**	DU01R	52 x 51
CBD.4	**DFU/4/R**	DU04R	52 x 62
CBD.6	**DFU/4/R**	DU04R	52 x 62
CBD.10	**DFU/4/R**	DU04R	52 x 62
CBD.16	**DFU/4/R**	DU04R	52 x 62
CBD.35	**DFU/5/R**	DU05R	62 x 68
CBD.50	**DFU/5/R**	DU05R	62 x 68
CBD.70	**DFU/6/R**	DU06R	72 x 74
CBE.2	**DFU/4/R**	DU04R	52 x 62
CBR.2	**DFU/4/R**	DU04R	52 x 62
CVF.4	**DFU/3/R**	DU03R	68 x 57
DAS.4	**DFU/7/R**	DU07R	80 x 64
DBC.2	**DFU/7/R**	DU07R	80 x 64
DSF.4	**DFU/7/R**	DU07R	80 x 64
DSFA.4	**DFU/7/R**	DU07R	80 x 64
DSS.4	**DFU/7/R**	DU07R	80 x 64
FDP.2	**DFU/5/R**	DU05R	62 x 68
FLD.10/...	**DFU/6/R**	DU06R	72 x 74
FPC.10	**DFU/6/R**	DU06R	72 x 74
FPL.10	**DFU/6/R**	DU06R	72 x 74
FVS.4	**DFU/6/R**	DU06R	72 x 74
MPFA.4	**DFU/3/R**	DU03R	68 x 57
NCS	**DFU/2/R**	DU02R	52 x 54
NCV	**DFU/2/R**	DU02R	52 x 54
PDF.2	**DFU/5/R**	DU05R	62 x 68
RFI.2	**DFP/2/R**	DFP2R	37 x 38
RN.1	**DFP/2/R**	DFP2R	37 x 38
RN.2	**DFP/2/R**	DFP2R	37 x 38
RP.4	**DFP/2/R**	DFP2R	37 x 38
SCB.4	**DFU/3/R**	DU03R	68 x 57
SCB.6	**DFU/6/R**	DU06R	72 x 74
SCB.6/DD	**DFU/6/R**	DU06R	72 x 74
SCB.10	**DFU/7/R**	DU07R	80 x 64
SCB.10/CD	**DFU/7/R**	DU07R	80 x 64
SCB.10/DD	**DFU/7/R**	DU07R	80 x 64

Terminal block	Partition		Dimensions h x d
	Type	Red code	
SCB.6/CD	**DFU/6/R**	DU06R	72 x 74
SFR.4	**DFU/3/R**	DU03R	68 x 57
SFR.6	**DFU/7/R**	DU07R	80 x 64
TC/PO	**DFU/1/R**	DU01R	52 x 51
TDE.2	**DFU/3/R**	DU03R	68 x 57
TLD.2	**DFU/3/R**	DU03R	68 x 57
TLE.2	**DFU/3/R**	DU03R	68 x 57
TLS.2	**DFU/3/R**	DU03R	68 x 57
VPC.2	**DFU/5/R**	DU05R	62 x 68
VPD.2	**DFU/7/R**	DU07R	80 x 64
Spring-clamp terminal blocks			
HCD.1	**DFU/7/R**	DU07R	80 x 64
HMD.2	**DFH/4/R**	DH04R	97 x 51.5
HFR.4	**DFH/4/R**	DH04R	97 x 51.5
HMFA.2	**DFH/2/R**	DH02R	76 x 42.5
HMM.2	**DFH/1/R**	DH01R	64 x 42.5
HMM.2/1+2	**DFH/2/R**	DH02R	76 x 42.5
HMM.2/2+2	**DFH/3/R**	DH03R	88 x 42.5
HMM.2/2+2/S	**DFH/3/R**	DH03R	88 x 42.5
HMM.4	**DFH/1/R**	DH01R	64 x 42.5
HMM.4/1+2	**DFH/4/R**	DH04R	97 x 51.5
HMM.4/2+2	**DFH/4/R**	DH04R	97 x 51.5
HMM.6	**DFH/1/R**	DH01R	64 x 42.5
HMM.10	**DFH/4/R**	DH04R	97 x 51.5
HMM.16	**DFH/4/R**	DH04R	97 x 51.5
HVPC.2	**DFH/1/R**	DH01R	64 x 42.5
HMS.2	**DFH/2/R**	DH02R	76 x 42.5
HPP.2	**DFP/2/R**	DFP2R	37 x 38
HPP.2/P	**DFP/2/R**	DFP2R	37 x 38
HTE.2	**DFH/1/R**	DH01R	64 x 42.5
HTE.2/1+1	**DFH/2/R**	DH02R	76 x 42.5
HTE.2/2+2	**DFH/3/R**	DH03R	88 x 42.5
HTE.4	**DFH/1/R**	DH01R	64 x 42.5
HTE.6	**DFH/1/R**	DH01R	64 x 42.5
HMM.1	**DFH/1/R**	DH01R	64 x 42.5
HMM.1/1+2	**DFH/3/R**	DH03R	88 x 42.5
HMM.1/2+2	**DFH/2/R**	DH02R	76 x 42.5
HMD.1	**DFU/7/R**	DU07R	80 x 64
HMD.2N	**DFU/7/R**	DU07R	80 x 64
HMM.2/1+2/S	**DFH/2/R**	DH02R	76 x 42.5
HSCB.4	**DFH/4/R**	DH04R	97 x 51.5
HTE.1	**DFH/1/R**	DH01R	64 x 42.5
HTE.1/1+2	**DFH/2/R**	DH02R	76 x 42.5
HTE.1/2+2	**DFH/3/R**	DH03R	88 x 42.5

Partitions

DFM

Made of red **polyamide**, indispensable for **guaranteeing the insulation distance between fixed or switchable cross connections** inserted between adjacent pairs of terminal blocks and, in the same way, between **multiple parallel platelets**, 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
HDE.2	**DFM/500**	DF500	4.6x13.5	0.5
HLD.2	**DFM/500**	DF500	4.6x13.5	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

(*) height including rail

For protecting from accidental contacts or tampering **CDA** and **ACB** Series terminal blocks. Made of self-extinguishing and transparent material of thickness 2.3 mm and fixed length 200 mm (corresponding to the total width of the four terminal blocks side-by-side).
The covers are available in three sizes:

PRT/P 22 x 125 mm (Cat.No. PRT01)
- for protecting ACB/BB terminal blocks

PRT/M 50 x 125 mm (Cat.No. PRT02)
- for protecting ACB/CC terminal blocks

PRT/G 85 x 125 mm (Cat.No. PRT03)
- to be used when the conductors come from the backboard, or in order to protect a connection point not yet connected.

The PRT covers must be inserted on **SPS supports**, made of self-extinguishing ABS / class UL94V-0, thickness 5 mm, interposed between contiguous terminal blocks. Protection of the four terminal blocks side-by-side is achieved by means of overlapping coupling of **two** PRTs.
Note: The ID Cat. No. (i.e. PRT01) is **referred** to a single item.

PZM protection covers and PZD supports

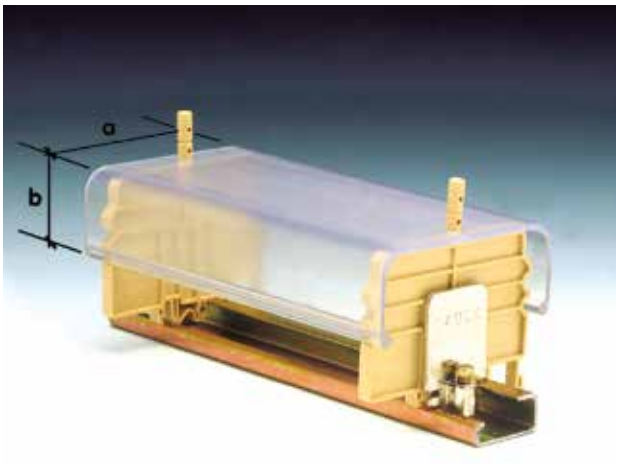
Made of **PVC** for protecting from accidental contacts or tampering terminal blocks up to a section of 70 mm^2.
They are supplied in 2 m lengths and are to be mounted on specific polyamide supports, insertable on PR/DIN and PR/3 support rails, types "G32" and TH/35.
They can be made unmovable with sealing of the support appendices.

PZM.4 cover (a = 64+2 mm / b = 32 mm)

Cat. No. **PZ330**

For terminal blocks **of size up to approximately 58 mm** (including rail).
To be mounted with **PZD.4/SO supports** (Cat. No. PZ331)
Maximum size PZM.4 + PZD.4/SO
- on rail IEC 60715/G32 = 70 or 82 mm (*)
- on rail IEC 60715/TH35 = 65 or 77 mm (*)

(*) depending on the notches used, upper or lower.



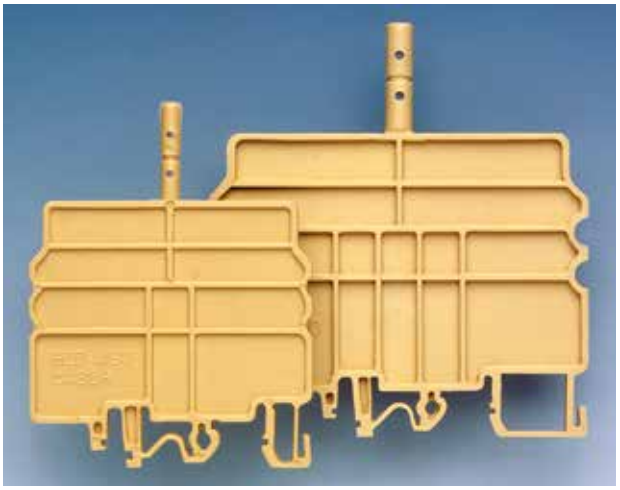
PZM.4 - PZM.6 channel

PZM.6 cover (a = 85+2 mm / b = 36 mm)

Cat. No. **PZ110**

For terminal blocks **of size of more than approximately 58 mm** (including rail).
To be mounted with **PZD.6/SO supports** (Cat. No. PZ112)
Maximum size PZM.6 + PZD.6/SO
- on rail IEC 60715/G32 = 82 or 94 mm (*)
- on rail IEC 60715/TH35 = 78 or 90 mm (*)

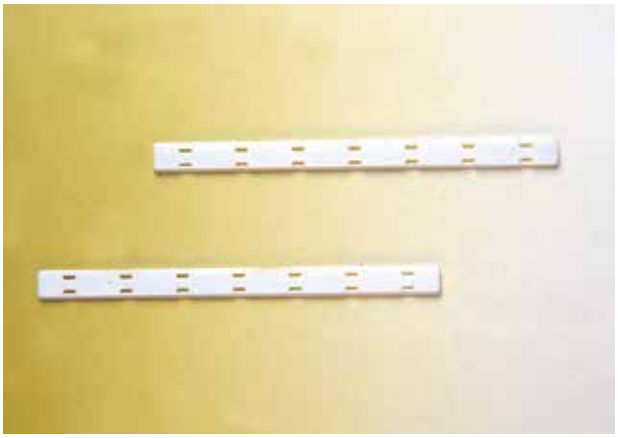
(*) depending on the notches used, upper or lower.


PZD.4/SO - PZD.6/SO supports

PRP Protections

The cross connection, made up of the PMP multiple commoning bar and CPM screws and sleeves, already located in a position further back with respect to the front of the terminal board, can be further protected against accidental contacts, by means of a U-shaped cover, made of polyamide, with a standard length of 10 cm. The above protection, which is white, can also be used to write words or make reference markings of the terminal board. Special slots are provided on the protection to make it easy to remove using a screwdriver.

for terminal blocks of cross section 2.5-4 mm^2	**PRP/6**	Cat. No. **PRP06**
for terminal blocks of cross section 4-16 mm^2	**PRP/7**	Cat. No. **PRP07**
for terminal blocks of cross section 25-70 mm^2	**PRP/8**	Cat. No. **PRP08**
for TLD.2-TLS.2-CBR.2-DAS.4-TLE.2-TDE.2 terminal blocks	**PRP/5 (red, blue, white)**	Cat. No. **PRP05**


PRP Protections

Warning plates

TQM-TTM-TUM-PRP/7/G

Made of self-extinguishing material, capable of guarantee the maximum safety of work on terminal boards connected to circuits that are always live.
Bearing warning signals and notices, fixable to the terminal blocks by means of two nylon insulating screws, they are available in models of different sizes, according to the type of terminal block.
The cover can be tripolar or quadripolar; in some cases the tripolar is made removing a pre-cut part of the quadripolar cover
For CBC. 2-4-6-10 terminal blocks the PRP/7/G is supplied; this is without screws, to be inserted in the channels of the cross connections.

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 size

TAI

Possible danger status may be marked using **special triangular self-adhesive labels**

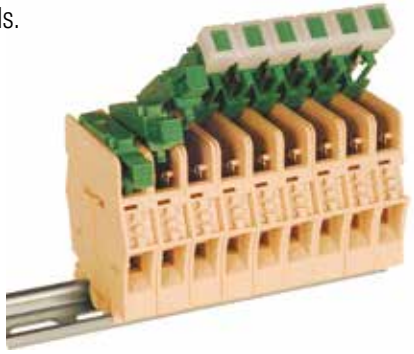
TAI/6 (Cat. No. TA001)
TAI/12 (Cat. No. TA002)

to be applied on the protection covers and channels.

MSM handle

For simultaneous switching of several FPL.10 and SFL.10 terminal blocks side-by-side.
Supplied in strips of 6 elements.

MSM (Cat. No. FC103)



Tag holder

- Possibility of marking 2- and 3-level terminal blocks
- High visibility of the marking
- Available in the 2- and 3-tag version
- Reduced vertical size thanks to high flexibility
- Compatible with all the 2- and 3-level terminal blocks
- Available in grey

grey version	TH/2 Cat. No. **TH02**	TH/3 Cat. No. **TH03**
TECHNICAL CHARACTERISTICS		
function/type	tag holder	tag holder
vertical size	19 mm	21 mm
width	18 mm	29 mm
thickness	4.7 mm	4.7 mm
Identification cards usable	**Type** / **Cat. No.** **C/NU/8/51** NU0851 **C/NU/8/61** NU0861 **C/NU/10/51** NU1051 **C/NU/10/61** NU1061 **C/NU/10/55** NU1055 **C/NU/10/65** NU1065	**Type** / **Cat. No.** **C/NU/8/51** NU0851 **C/NU/8/61** NU0861 **C/NU/10/51** NU1051 **C/NU/10/61** NU1061 **C/NU/10/55** NU1055 **C/NU/10/65** NU1065
quantity per pack	50 pieces	50 pieces

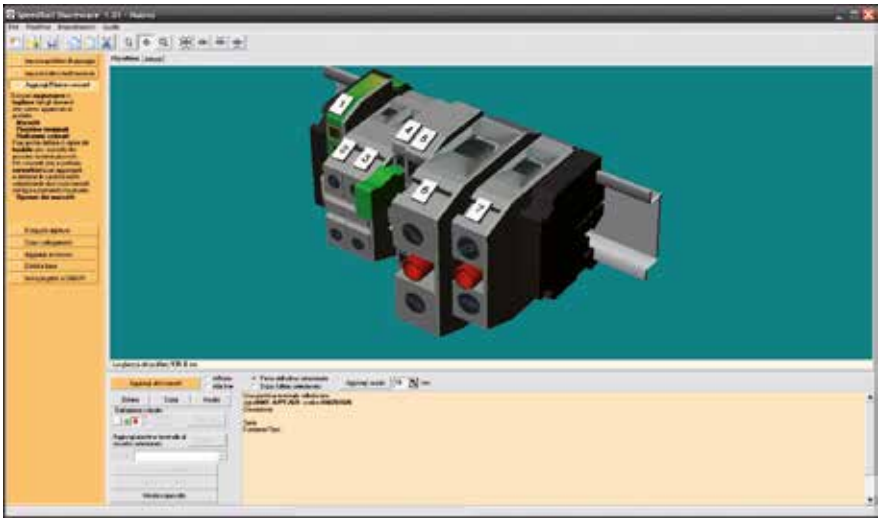
With use of the TH/2 and TH/3 supports it is possible to increase the space available for marking on all the Cabur terminal blocks (*), and avoid the difficulties of identifying the conductors in multi-level terminal blocks.

*TH/2 and TH/3 are not compatible with the terminal blocks of the HPP and HPC Series grey version

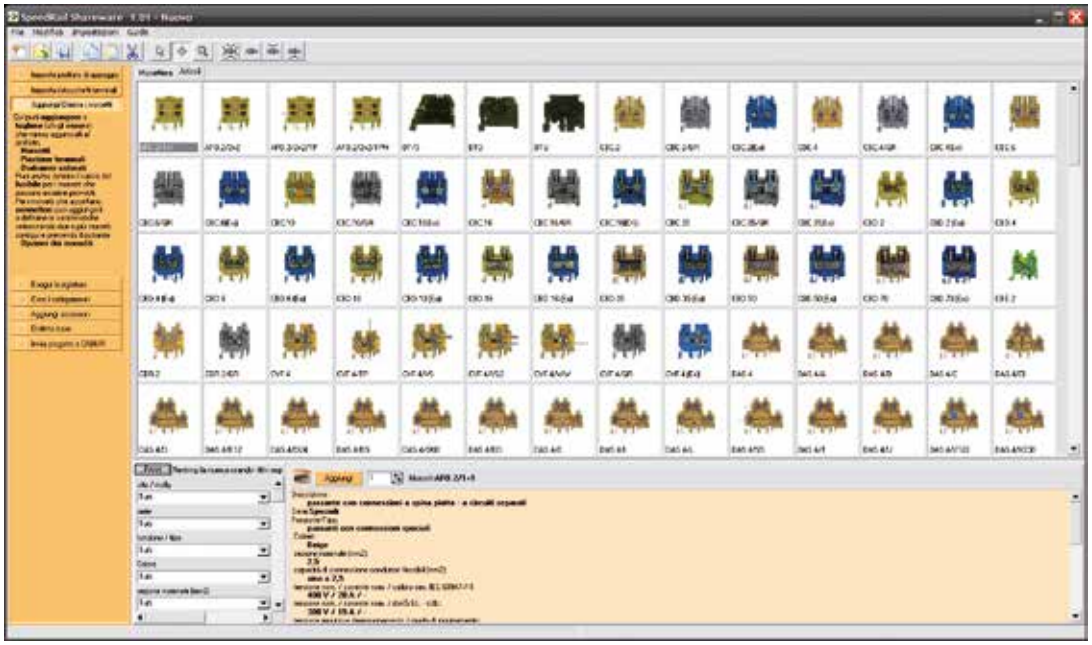
Speed Rail

Windows™ application for terminal blocks for rails and panels type SWSR1.0 - Cat. No. SWSR1

- intuitive interface
- computer-assisted design
- 3D display
- no CAD platform required
- automatic creation of the Bill of Materials in table format and Adobe® Acrobat® PDF
- option to request an estimate with a single click
- trial version can be downloaded from the website
- licensed for installation on 5 PCs

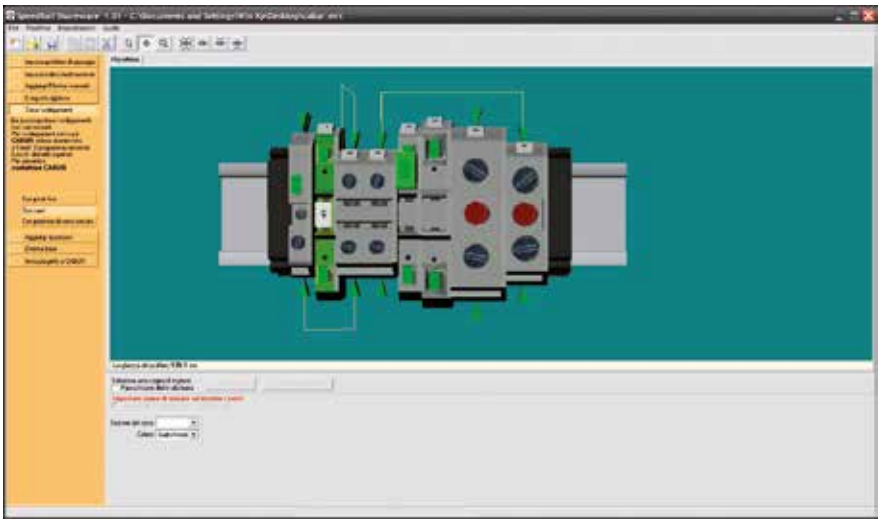


Speed Rail is a software application designed to simplify and speed up the construction of a terminal board using Cabur terminal blocks.



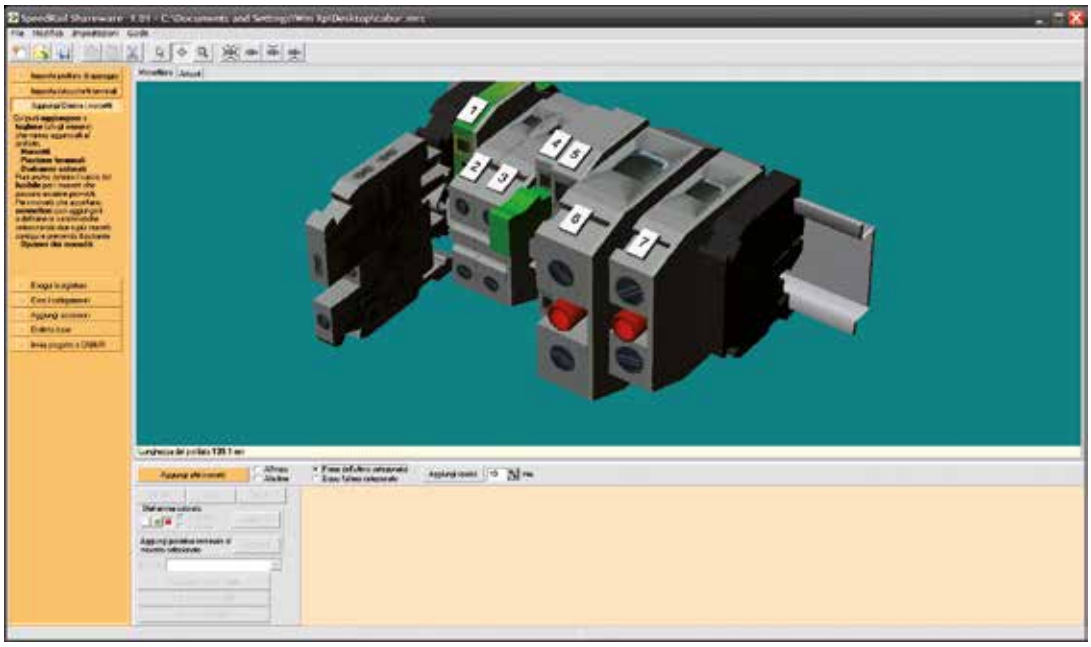
Thanks to the **intuitive interface** and the **graphic elements**, Speed Rail is easy to use and does not require specialist computer skills; furthermore, the software guides and assists you throughout every stage of the terminal board's design:

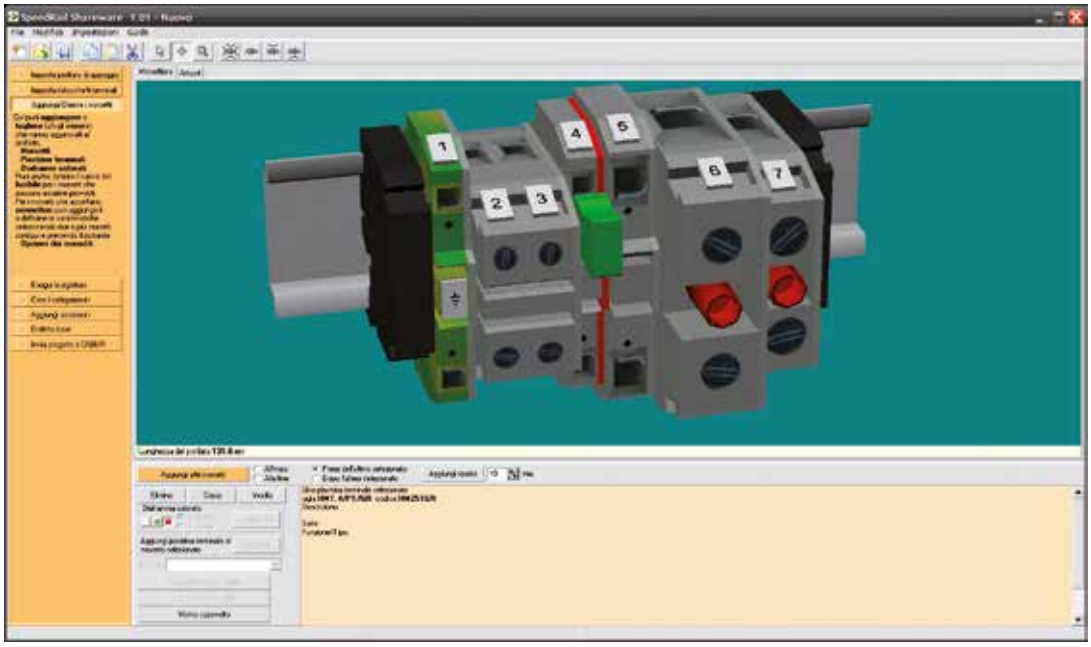
- automatically removes and adds end sections as needed to protect uncovered contacts or places them where insulation needs to be maintained;
- automatically includes cross-connection barriers between adjacent connections;
- reports the danger of short-circuit and suggests positioning an end section or cross-connection barrier;
- arranges connections in the best possible way to ensure maximum insulation.

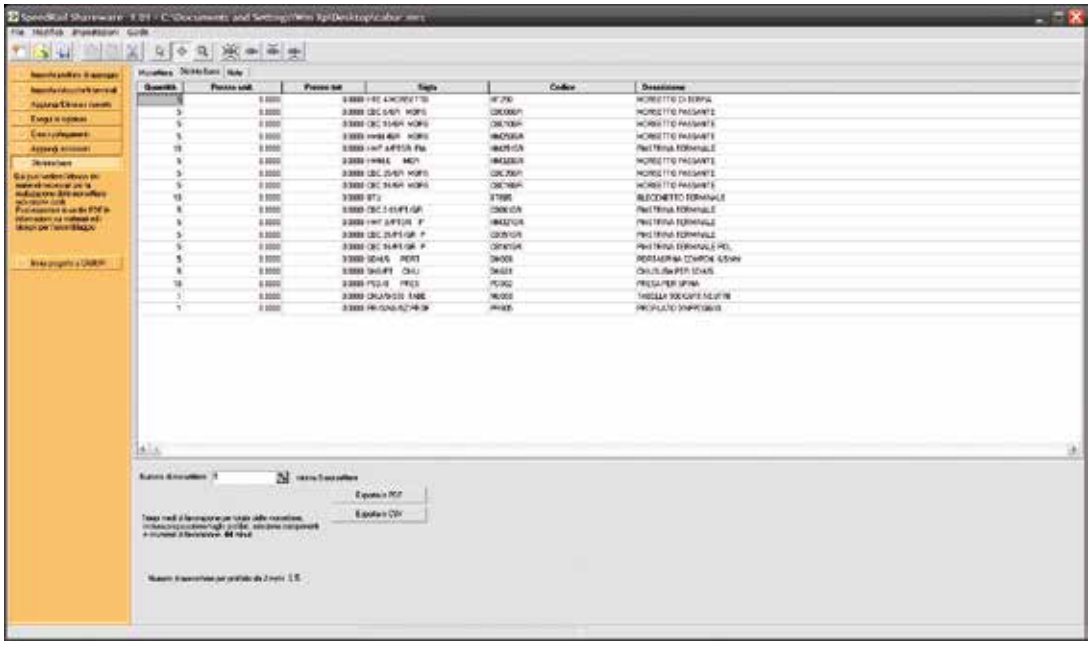


Speed Rail helps you **plan** your terminal board **quickly and efficiently**, starting from the holes in the mounting rail and the arrangement of supports, through to inserting terminal blocks, marking, creating connections between terminal blocks, adding the protection cover, covering each and every detail even up to inserting modular test plugs and derivation socket plugs.

Thanks to the **3D visualization**, you can see you terminal board from every angle, as if it were in your hands, and watch every phase of its development.







You can easily choose the terminal blocks best suited to your requirements, thanks to the technical data integrated into the software. Once you have identified the terminal blocks, Speed Rail will guide you through the choice of accessories, saving you time from searching for codes and verifying compatibility in catalogues.
Once all the details have been defined, Speed Rail will **automatically produce a bill of materials** in PDF format – even specifying the details and characteristics of the accessories, the marking, the terminal blocks used and the support mounting rail arrangements. You will be able to **request an estimate immediately** for the products needed and/or the terminal board assembly service.

A **trial version**, valid for 30 days, for complete, effective use of the software can be downloaded free of charge from the website **www.cabur.eu** Please note the following limitations:
- trial period limited to 30 days of effective use for a maximum of 90 days as from the date of installation
- on-line updates are disabled

Technical requirements for installation:
Platform: PC with Microsoft® Windows™ XP or later operating system.
Min. 512 MB RAM.
Hard disk space: 50 MB for basic installation, 155 MB for full installation (inc. video tutorials for software use).
Video viewer: Microsoft® Windows™ Media Player or compatible.

Marking systems

Cabur offers a complete line of products capable of meeting the multiple needs in the field of industrial marking.
The CaburJet printers are characterised by a small size to reduce bulk and by an innovative design, aimed at making them fast and easy to use, with no maintenance problems in any application context.
The series of products for industrial marking includes the printer with thermal transfer technology Smart Print and Smart Roll, designed for rapid marking, and the inkjet printer CaburJet, fitted with an automatic loader for high print volumes.
Cabur proposes a vast choice of consumable products designed to optimise the efficiency of marking in all its aspects and to create markings of excellent quality and long lasting.

THERMAL TRANSFER PRINTERS

SmartPrint

TECHNICAL DATA	
Technology for	thermal transfer
Interface	USB 2.0
Resolution	300 dpi
Print Speed	Up to 19 mm/sec
Windows support	PC systems/from Windows XP to Windows 10
Display	LCD
Dimensions (DxLxH)	400 x 230 x 280 mm
Weight	approx. 8 Kg.
External power supply	100 - 240 VAC
Working temperature	10-34°C
Ribbon	monochromatic resin based
Ribbon colours	black, blue, red, green

SmartRoll

TECHNICAL DATA	
Technology for	thermal transfer
Interface	USB 2.0
Resolution	300 dpi
Print Speed	Up to 152 mm/sec
Windows support	PC systems/from Windows XP to Windows 10
Dimensions (DxLxH)	505 x 270 x 308mm
Weight	approx. 15 Kg.
Power supply voltage	100 - 240 VAC
Working temperature	5-40°C
Ribbon	monochromatic resin based
Ribbon colours	black, red

INKJET PRINTER

CaburJet

TECHNICAL DATA	
Technology for	monochromatic inkjet printing
Interface	USB 2.0
Resolution	360 Dpi
Ink	refillable bottles
Print Speed	24,000 tags / 1 hour
Windows support	for PC systems with Windows 98 SP2 and later
Dimensions (DxLxH)	370 x 330 x 220 mm
Weight	approx. 12 Kg.
Power	during printing, 24W max. with compressor on, 35W
Power supply voltage	115-230V

MARKING PRO XT

MarKing Pro XT is a software for printing characters and images on tags and cards. It can be used with the Smart Print and Smart Roll printers. The programme joins the existing MarKing Pro, the software suitable for managing CaburJet and all the Plotters most common on the market. MarKing Pro XT allows direct extraction of data from Excel, csv, txt etc. files and supports the Unicode format.
Thanks to its intuitive interface and visual elements, MarKing Pro XT is easy to use, and enables previewing of the end result before printing.
Cabur offers a marking service, which can be provided on the basis of files created in MarKing Pro XT by the customer. Send Cabur your MarKing Pro XT files to receive a quotation and service that provides the utmost in efficiency and guarantees reliable results.

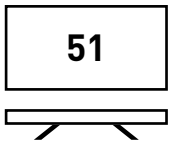
Pre-printed tags for Cabur terminal blocks

CNU/8/51 for HORIZONTAL AND VERTICAL printing

- Marking tags suitable for marking all types of terminal blocks (screw-clamp and spring-clamp) in cards of 100 elements in packs of 500 tags.
- In white polycarbonate with black printing, to be applied directly into position either before or after preparing the terminal block.
- **Tag dimensions: 8 x 5.1 mm. Pitch on CBC.2 and HMM.2/GR.**
- **Mounting of single tag on all Cabur terminal blocks.**

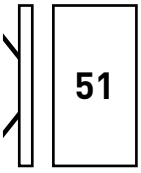
CAT. NO. TAGS WITH VERTICAL NUMBERS	CAT. NO. TAGS WITH HORIZONTAL NUMBERS	DESCRIPTION	TAGS PER PACK
NU0851	NU0851	CNU/8/030 100 TAGS BLANK	1,500
NU0851001V	NU0851001	CNU/8/001 TAG. NO. 1 to 50	500
NU0851010V	NU0851010	CNU/8/010 100 TAG. NO. 10	500
NU0851011V	NU0851011	CNU/8/11 TAG. NO. 11	500
NU0851012V	NU0851012	CNU/8/12 100 TAGS. 12	500
NU0851013V	NU0851013	CNU/8/13 TAG. NO. 13	500
NU0851014V	NU0851014	CNU/8/14 TAG. NO. 14	500
NU0851015V	NU0851015	CNU/8/15 TAG. NO. 15	500
NU0851016V	NU0851016	CNU/8/16 TAG. NO. 16	500
NU0851017V	NU0851017	CNU/8/17 TAG. NO. 17	500
NU0851018V	NU0851018	CNU/8/18 TAG. NO. 18	500
NU0851019V	NU0851019	CNU/8/19 TAG. NO. 19	500
NU0851020V	NU0851020	CNU/8/20 TAG. NO. 20	500
NU085102AV	NU085102A	CNU/8/2A TAGS. MARKED 2A	500
NU0851051V	NU0851051	CNU/8/051 TAGS from 51 to 100	500
NU08510L1V	NU08510L1	CNU/8/L1 TAGS. MARKED L1	500
NU08510L2V	NU08510L2	CNU/8/L2 TAGS. MARKED L2	500
NU08510L3V	NU08510L3	CNU/8/L3 TAGS. MARKED L3	500
NU08510NIV	NU08510NI	CNU/8/NI TAGS. MARKED NI	500
NU08510PEV	NU08510PE	CNU/8/PE TAGS. MARKED PE	500
NU08510R1V	NU08510R1	CNU/8/R1 TAGS. MARKED R1	500
NU08510S1V	NU08510S1	CNU/8/S1 TAGS. MARKED S1	500
NU08510S2V	NU08510S2	CNU/8/S2 TAGS. MARKED S2	500
NU08510S3V	NU08510S3	CNU/8/S3 TAGS. MARKED S3	500
NU08510U1V	NU08510U1	CNU/8/U1 TAGS. MARKED U1	500
NU08510U2V	NU08510U2	CNU/8/U2 TAGS. MARKED U2	500
NU08510V	NU08510	CNU/8/000 TAGS 0	500
NU08510V1V	NU08510V1	CNU/8/V1 TAGS. MARKED V1	500
NU08510V2V	NU08510V2	CNU/8/V2 TAGS. MARKED V2	500
NU08510W1V	NU08510W1	CNU/8/W1 TAGS. MARKED W1	500
NU08510W2V	NU08510W2	CNU/8/W2 TAGS. MARKED W2	500
NU0851101V	NU0851101	CNU/8/101 TAGS. from 101 to 150	500
NU085110V	NU085110	CNU/8/025 100 TAGS =	500
NU085111V	NU085111	CNU/8/023 100 TAGS +	500
NU085112V	NU085112	CNU/8/024 100 TAGS -	500
NU085114V	NU085114	CNU/8/027 TAGS EARTH	500
NU0851151V	NU0851151	CNU/8/151 TAGS from 151 to 200	500
NU085115V	NU085115	CNU/8/028 TAG EARTH CIRCLE	500
NU08511V	NU08511	CNU/8/111 100 TAGS 1	500
NU0851201V	NU0851201	CNU/8/201 TAGS from 201 to 250	500
NU0851251V	NU0851251	CNU/8/251 TAGS from 251 to 300	500
NU08512V	NU08512	CNU/8/222 100 TAGS 2	500
NU0851301V	NU0851301	CNU/8/301 TAGS from 301 to 350	500
NU0851351V	NU0851351	CNU/8/351 TAGS from 351 to 400	500
NU08513V	NU08513	CNU/8/333 100 TAGS 3	500
NU0851401V	NU0851401	CNU/8/401 TAGS from 401 to 450	500
NU0851451V	NU0851451	CNU/8/451 TAGS from 451 to 500	500
NU08514V	NU08514	CNU/8/444 100 TAGS 4	500
NU0851501V	NU0851501	CNU/8/501 TAGS from 501 to 550	500

Writing type

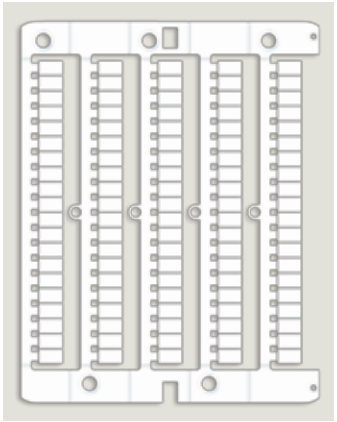


HORIZONTAL

Writing type



VERTICAL



Card CNU/8/51
Cat. No. NU0851

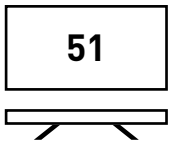
Pre-printed tags for Cabur terminal blocks

CNU/8/51 for HORIZONTAL AND VERTICAL printing

- Marking tags suitable for marking all types of terminal blocks (screw-clamp and spring-clamp) in cards of 100 elements in packs of 500 tags.
- In white polycarbonate with black printing, to be applied directly into position either before or after preparing the terminal block.
- **Tag dimensions: 8 x 5.1 mm. Pitch on CBC.2 and HMM.2/GR.**
- **Mounting of single tag on all Cabur terminal blocks.**

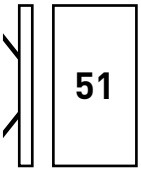
CAT. NO. TAGS WITH VERTICAL NUMBERS	CAT. NO. TAGS WITH HORIZONTAL NUMBERS	DESCRIPTION	QUANTITY PER PK
NU0851510V	NU0851510	CNU/8/510 TAGS from 1 to 10	500
NU0851520V	NU0851520	CNU/8/520 TAGS from 11 to 20	500
NU0851530V	NU0851530	CNU/8/530 TAGS from 21 to 30	500
NU0851540V	NU0851540	CNU/8/540 TAGS from 31 to 40	500
NU0851550V	NU0851550	CNU/8/550 TAGS from 41 to 50	500
NU0851551V	NU0851551	CNU/8/551 TAGS from 551 to 600	500
NU0851560V	NU0851560	CNU/8/560 TAGS from 51 to 60	500
NU0851570V	NU0851570	CNU/8/570 TAGS from 61 to 70	500
NU0851580V	NU0851580	CNU/8/580 TAGS from 71 to 80	500
NU0851590V	NU0851590	CNU/8/590 TAGS from 81 to 90	500
NU08515V	NU08515	CNU/8/555 100 TAGS 5	500
NU0851600V	NU0851600	CNU/8/600 TAGS from 91 to 100	500
NU0851601V	NU0851601	CNU/8/601 TAGS from 601 to 650	500
NU0851651V	NU0851651	CNU/8/651 TAGS from 651 to 700	500
NU08516V	NU08516	CNU/8/666 100 TAGS 6	500
NU0851701V	NU0851701	CNU/8/701 TAGS from 701 to 750	500
NU0851751V	NU0851751	CNU/8/751 TAGS from 751 to 800	500
NU08517V	NU08517	CNU/8/777 100 TAGS 7	500
NU0851801V	NU0851801	CNU/8/801 TAGS from 801 to 850	500
NU0851851V	NU0851851	CNU/8/851 TAGS from 851 to 900	500
NU08518V	NU08518	CNU/8/888 100 TAGS 8	500
NU0851901V	NU0851901	CNU/8/901 TAGS from 901 to 950	500
NU0851951V	NU0851951	CNU/8/951 TAGS from 951 to 1,000	500
NU08519V	NU08519	CNU/8/999 100 TAGS 9	500
NU0851AV	NU0851A	CNU/8/031 100 TAGS A	500
NU0851BV	NU0851B	CNU/8/032 100 TAGS B	500
NU0851CV	NU0851C	CNU/8/033 100 TAGS C	500
NU0851DV	NU0851D	CNU/8/034 100 TAGS D	500
NU0851EV	NU0851E	CNU/8/035 100 TAGS E	500
NU0851FV	NU0851F	CNU/8/036 100 TAGS F	500
NU0851GV	NU0851G	CNU/8/037 100 TAGS G	500
NU0851HV	NU0851H	CNU/8/038 100 TAGS H	500
NU0851IV	NU0851I	CNU/8/043 100 TAGS I	500
NU0851JV	NU0851JV	CNU/8/049 100 TAGS J	500
NU0851KV	NU0851KV	CNU/8/050 TAGS K	500
NU0851LV	NU0851L	CNU/8/044 100 TAGS L	500
NU0851MV	NU0851M	CNU/8/045 100 TAGS M	500
NU0851NV	NU0851N	CNU/8/016 100 TAGS N	500
NU0851OV	NU0851O	CNU/8/046 100 TAGS O	500
NU0851PV	NU0851P	CNU/8/047 100 TAGS P	500
NU0851QV	NU0851Q	CNU/8/048 100 TAGS Q	500
NU0851RV	NU0851R	CNU/8/013 100 TAGS R	500
NU0851SV	NU0851S	CNU/8/014 100 TAGS S	500
NU0851TV	NU0851T	CNU/8/015 100 TAGS T	500
NU0851UV	NU0851UV	CNU/8/017 100 TAGS U	500
NU0851VV	NU0851V	CNU/8/018 100 TAGS V	500
NU0851WV	NU0851W	CNU/8/019 100 TAGS W	500
NU0851XV	NU0851X	CNU/8/020 100 TAGS X	500
NU0851YV	NU0851Y	CNU/8/021 100 TAGS Y	500
NU0851ZV	NU0851Z	CNU/8/022 100 TAGS Z	500

Writing type



HORIZONTAL

Writing type



VERTICAL

Mounting on Cabur terminal blocks.

Personalised printing service

Special numbering for terminal block marking

Cabur can supply, on request, special marking tags with numbers, letters, symbols and customised logos in packs of 500 tags, printed using the CaburJet system.

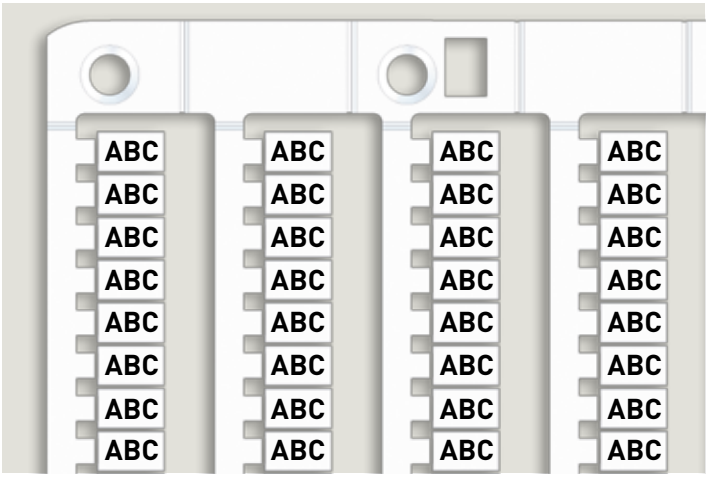
Request special marking by specifying the following on the order:

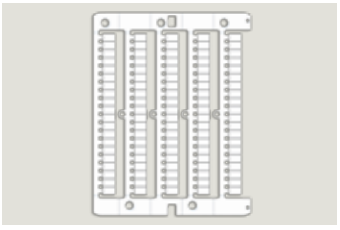
A - Article cat. no., chosen from those indicated in the table (e.g. NU0851SP)
B - Quantity of tags ordered (min. 500 pcs. / 1 pk.)
C - Writing type (horizontal or vertical)
D - Content (text, numbers, symbols) to be printed on the tags (e.g. A1B)

To optimise the service, as an alternative or in addition to that required at points c) and d), we recommend sending Cabur a MarKing Pro file created with the specific requirements of the order.

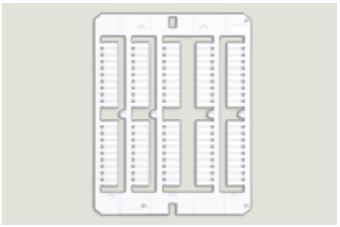
For example, by ordering:
Cat. No.: NU0851SP
Quantity: 1000
Writing type: horizontal
Content: ABC

An order will be placed for 2 packs of 500 tags each of CNU/8/51, customised as requested.



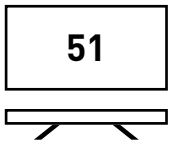


Mounting on Cabur terminal blocks



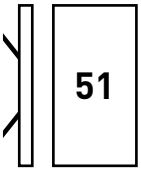
Tag SH004

Writing type



HORIZONTAL

Writing type



VERTICAL

SPECIAL NUMBERING		
CAT. NO.	TYPE	DESCRIPTION
NU0800SP	NU0800SP	CNU/8/00 – special marking
NU0851SP	NU0851SP	CNU/8/51 – special marking
NU0861SP	NU0861SP	CNU/8/61 – special marking
NU1051SP	NU1051SP	CNU/10/51 – special marking
NU1061SP	NU1061SP	CNU/10/61 – special marking
SH004SP	SH004SP	SHZ.1 – special marking
SH004	SHZ/1/100	Blank tag spring-clamp terminal blocks sect 1.5 mm
SN008	SNZ/4/00	Blank strips
SN004SP	SNZ/4/SP	SN004SP - special numbering
NUWDU50SP	NUWDU50SP	NUWDU50 - special numbering
NUWDK50SP	NUWDK50SP	NUWDK50 - special numbering
NUPUTUK50SP	NUPUTUK50SP	NUPUTUK50 - special numbering
NUL1061	NUL1061	NUL1061 - special numbering

N.B. please contact our sales office for information about availability

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

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

These allow simultaneous connection to earth of the current reducers, already connected to the SCB.4, SCB.6 and SCX.10. terminal blocks.
They consist of special platelets and sleeves that guarantee the correct sequence of the operation.
The platelets, in the open position, block the movements of the cursors, preventing disconnection of the current circuits.

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 (*)

(*) they are supplied mounted as in A. It is necessary to remove, as in pos. B, the one to introduce into the platelet slot, put it back and screw it onto the body of the terminal block.

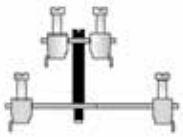
Internal/external parallel device

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**

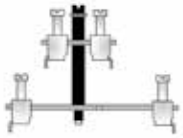
Screw and sleeve to perform the internal and external link between the front and back conducting bodies of FVS.4 terminal blocks.



DAS/VCI
internal cross-connection

DAS/VCI Cat. No. **DS107**

Screw and sleeve for internal connection between the front conductor body and the rear one of the DAS.4



DAS/VCE
internal + adjoining front-cross connection

DAS/VCE Cat. No. **DS108**

Screw and sleeve for internal connection between the front and rear conductor bodies and external connection between the conductor bodies of contiguous terminal blocks, for the DAS.4

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 possible derivation by means of plug SDD/2

The terminal blocks for Ø 5x 20 mm or 6 x 32 mm fuses can be used as terminal blocks for simple switching inserting specific **conducting elements**.

Small screening bar

CBD/SH Cat. No. **CB009**

For the connection of the cable shielding - to be used on terminal blocks type CBD.2, 4, 6, 10.

Index for marking

	TYPE	CAT. NO.	QTY. per pk.	PAGE
A	ACB.120/BB	AC400	12	21
	ACB.185/BB	AC700	12	21
	ACB.70/BB	AC100	12	21
	ACI121017	Z121017	25	121
	ACI121019	Z121019	25	121
	ACI121026	Z121026	100	126
	ACI121116	Z121116	10	123
	ACI121118	Z121118	50	126
	ACI121119	Z121119	100	126
	ACI121121	Z121121	100	126
	ACI121123	Z121123	1	126
	ACI121211	Z121211	25	126
	ACI121212	Z121212	25	126
	ACI121213	Z121213	20	125
	ACI121214	Z121214	20	125
	ACI121215	Z121215	20	125
	ACI121216	Z121216	10	125
	ACI121217	Z121217	10	125
	ACI121218	Z121218	10	125
	ACI121219	Z121219	10	125
	ACI121221	Z121221	50	126
	ACI121228	Z121228	20	123
	ACI121301	Z121301	10	123
	ACI121307	Z121307	50	126
	ACI121311	Z121311	20	123
	ACI121314	Z121314	20	123
	ACI121316	Z121316	20	124
	ACI121317	Z121317	10	124
	ACI121318	Z121318	10	124
	ACI121319	Z121319	10	124
	ACI121410	Z121410	10	124
	ACI121415	Z121415	20	123
	ACI121421	Z121421	100	126
	AFO.2/1+1	AF500	100	53
	AFO.2/2+2	AF400	100	53
	AFO.2/2+2/TP	AF410	100	53
	AFO/PT	AF201	50	53
	AFO/PT	AF201GR	50	118
B	BPL.4	BP100	60	63
	BPL.4/PS	BP300	60	64
	BPL.4/PS/A	BP310	60	64
	BPL/R	BP200	100	63
	BT/2	BT006	25	119
	BT/3	BT003	25	119
	BTO	BT007	25	119
	BTU	BT005	25	119
C	CAM	MA110	100	59
	CAM/B	MA111	100	59
	CAM/C	MA112	80	59
	CAMUT.12/02	CAMUT02	10	111
	CAMUT.12/04	CAMUT04	10	111
	CAMUT.12/06	CAMUT06	10	111
	CAMUT.12/10	CAMUT10	10	111
	CAMUT.12/16	CAMUT16	10	111
	CAMUT.12/25	CAMUT25	10	111
	CB/PT(Ex)i	CB402	25	34
	CB/PT/GR	CB401GR	25	34
	CB10/PT	CB431	25	14
	CB10/PT(EX)I	CBX44	25	14
	CB16/PT	CB511	25	14
	CB16/PT(EX)I	CBX53	25	14
	CB2/PT	CB111	50	55
	CB2/PT(EX)I	CBX13	50	55
	CB2/PT/GR	CB111GR	50	55
	CB35/PT	CB611	25	14
	CB35/PT(EX)I	CBX63	25	14
	CB4/6/PT	CB241	25	13
	CB4/6/PT(EX)I	CBX25	25	13
	CB50/PT	CB711	10	15
	CB50/PT(EX)I	CBX73	10	15
	CB70/PT	CB811	10	15
	CB70/PT(EX)I	CBX83	10	15
	CBC.10 (EX)I	CBI10	100	4
	CBC.10/GR	CBC10GR	100	4
	CBC.16 (EX)I	CBI16	50	4
	CBC.16/GR	CBC16GR	50	4
	CBC.16/PT(EX)I	CBI161	25	4
	CBC.2 (EX)I	CBI02	120	3
	CBC.2-10/PT(EX)I	CBI061	50	4
	CBC.2/GR	CBC02GR	120	3
	CBC.35 (EX)I	CBI35	50	4
	CBC.35/GR	CBC35GR	50	4
	CBC.35/PT(EX)I	CBI351	25	4
	CBC.4 (EX)I	CBI04	100	3
	CBC.4/GR	CBC04GR	100	3
	CBC.6 (EX)I	CBI06	100	3
	CBC.6/GR	CBC06GR	100	3
	CBD.10	CB440	100	14
	CBD.10 (EX)I	CBX45	100	14
	CBD.16	CB510	50	14
	CBD.16 (EX)I	CBX52	50	14
	CBD.2	CB110	120	13
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HD130GR	HMD.1/X/GR	50	81
HD200GR	HMD.1/GR	50	80
HD201GR	HMD.1/PT/GR	25	80
HD300	HMD.1 (EX)I	50	80
HD400GR	HMD.2N/GR	40	80
HD410	HMD.2N (EX)I	40	80
HD420GR	HMD.2N/DD/GR	40	81
HD430GR	HMD.2N/3DC/GR	40	81
HD440GR	HMD.2N/X/GR	40	81
HD441GR	HMD.2N/X1/GR	40	82
HD450GR	HMD.2N/CI/GR	40	80
HF210GR	HFR.4/GR	70	86
HF211GR	HFR.4/PT/GR	25	86
HF300GR	HMFA.2/GR	80	85
HF310GR	HFR.4/M/GR	100	86
HI130	HP.2 (EX)I	100	90
HI131	HPC.2 (EX)I	100	91

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HI132	HPP.2 (EX)I	100	90
HI210	HMM.4/1+2 (EX)I	40	73
HI220	HMM.4/2+2 (EX)I	20	73
HI250	HMM.4 (EX)I	60	73
HI251	HMT.4/PT(EX)I	25	73
HI320	HMM.6 (EX)I	30	74
HI321	HMT.6/PT(EX)I	25	74
HI330	HMM.10 (EX)I	30	74
HI340	HMM.16 (EX)I	30	74
HI400	HMM.1 (EX)I	100	70
HI401	HMT.1/PT(EX)I	25	70
HI410	HMM.1/1+2 (EX)I	80	70
HI411	HMT.1/1+2/PT(EX)I	25	70
HI420	HMM.1/2+2 (EX)I	60	70
HI421	HMT.1/2+2/PT(EX)I	25	70
HI500	HMM.2 (EX)I	80	71
HI501	HMT.2/PT(EX)I	25	71
HI510	HMM.2/1+2 (EX)I	80	71
HI511	HMT.2/1+2/PT(EX)I	25	71
HI520	HMM.2/2+2 (EX)I	60	71
HI521	HMT.2/2+2/PT(EX)I	25	71
HL200GR	HLD.2/GR	50	83
HL201GR	HLD.2/PT/GR	25	83
HL210GR	HLD.2/CI/GR	50	83
HL500GR	HDE.2/GR	50	83
HLT500	HTTE.2	50	83
HM170GR	HMM.2/2+2/A/GR	60	72
HM210GR	HMM.4/1+2/GR	40	73
HM220GR	HMM.4/2+2/GR	40	73
HM250GR	HMM.4/GR	60	73
HM251GR	HMT.4/PT	25	73
HM251GR	HMT.4/PT/GR	25	73
HM320GR	HMM.6/GR	30	74
HM321GR	HMT.6/PT	25	74
HM321GR	HMT.6/PT/GR	25	74
HM330GR	HMM.10/GR	30	74
HM340GR	HMM.16/GR	30	74
HM350GR	HMR.16/GR	15	75
HM360GR	HMR.16/D/GR	30	75
HM400GR	HMM.1/GR	100	70
HM401GR	HMT.1/PT	25	70
HM401GR	HMT.1/PT/GR	25	70
HM410GR	HMM.1/1+2/GR	80	70
HM411GR	HMT.1/1+2/PT	25	70
HM420GR	HMM.1/2+2/GR	60	70
HM421GR	HMT.1/2+2/PT	25	70
HM500GR	HMM.2/GR	80	71
HM501GR	HMT.2/PT	25	71
HM501GR	HMT.2/PT/GR	25	71
HM510GR	HMM.2/1+2/GR	80	71
HM511GR	HMT.2/1+2/PT	25	71
HM511GR	HMT.2/1+2/PT/GR	25	71
HM511GR	HMT.2/2+2/PT/GR	25	71
HM520GR	HMM.2/2+2/GR	60	71
HM521GR	HMT.2/1+2/PT/GR	25	71

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HM521GR	HMT.2/2+2/PT/GR	25	71
HMS10GR	HMM.2/2+2/S/GR	60	72
HMS20GR	HMM.2/1+2/S/GR	80	72
HP150GR	HP.2/GR	100	90
HP160GR	HPC.2/GR	100	91
HP170GR	HPP.2/GR	100	90
HS200GR	HMS.2/GR	80	84
HT250	HTE.4	60	78
HT260	HTE.4/1+2	40	78
HT270	HTE.4/2+2	20	78
HT320	HTE.6	30	79
HT330	HTE.10	30	79
HT340	HTE.16	30	79
HT400	HTE.1	80	76
HT410	HTE.1/1+2	80	76
HT420	HTE.1/2+2	60	76
HT500	HTE.2	80	77
HT510	HTE.2/1+2	80	77
HT520	HTE.2/2+2	60	77
HV111GR	HPV/PT/GR	25	90
HVP300GR	HVPC.2/GR	120	88
HVP900GR	CHP.2/GR	20	88
HVP910GR	CHP.2D/GR	20	88
HVT500	HVTE.2	80	89
HVT900	CHTE.2	20	89
HVT910	CHTE.2D	20	89
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KITPULIZIA	KITPULIZIA	1	147
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MA410	MAC.6/FS	80	58
MB100	MBL.50/6	10	22
MB200	MBL.95/8	10	22
MB300	MBL.120/10	10	23
MB400	MBL.150/12	10	23
MC201B	MCM.1/B	1	95
MC201G	MCM.1/G	1	95
MC201R	MCM.1/R	1	95
MC202B	MCM.2/B	1	96
MC202G	MCM.2/G	1	96
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MC402G	MCT.2/SA/G	1	98
MC402R	MCT.2/SA/R	1	98
MC403B	MCT.3/SA/B	1	99
MC403G	MCT.3/SA/G	1	99
MC403R	MCT.3/SA/R	1	99
MF100	MPFA.4	100	37
MF100GR	MPFA.4/GR	100	37
MF112	MPFA.4/L12	100	37
MF124	MPFA.4/L24	100	37
MP901	MPS.4/PT	25	37-42
MP902	MPS.4/PT(EX)I	25	42
MP950	MPS.4	100	42
MP950GR	MPS.4/GR	100	42
MP960	MPS.4/SW (EX)I	100	42
MZ300N	MS/8X10/N	1	100
MZ300T	MS/8X10/T	1	100
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NC100	NCS	100	93
NC101	NCS/PT	25	93
NC200	NCV	100	93
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NU0851011	CNU/8/11	500	148
NU0851012	CNU/8/12	500	148
NU0851013	CNU/8/13	500	148
NU0851014	CNU/8/14	500	148
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NU0851019	CNU/8/19	500	148
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NU0851351	CNU/8/351	500	148
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PD011	PSD/K	50	137
PD013	PSD/N	50	137
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PTC1010	PTC/10/10	10	128
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	PZ330	PZM.4	2	141
	PZ331	PZD.4/SO	20	141
Q	QBL0K1201	QBLOK.12/BLU	10	101
	QBL0K1202	QBLOK.12/TE	10	101
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	QBL0K4100	QBL0K4P100A7	2	104
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	QP0L1205	P0LM.1215/BLU	10	106
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	RN400	RN.1 (EX)I	125	60
	RN500GR	RN.2/GR	110	60
	RN510	RN.2 (EX)I	110	60
	RP300GR	RP.4/GR	200	60
	RP301GR	RP.4/PT/GR	25	60
	RP400	RP.4 (EX)I	200	60
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	SB220	SCB.6/CD	80	46
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	SB304	SCB/4/P0/4	20	151
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	SB420	SCB.10/CD	80	47
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	SF900GR	SFR.4/GR	70	43
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	SF901	SFR.4/D1A	70	48
	SF901GR	SFR.4/D1/GR	70	48
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	SF910	SFR.4/VS	50	43
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	SR300GR	SFR.6/GR	50	44
	SR301	SFR.6/PT	25	34
	SR400	SFR.6 (EX)I	50	35
	SR400	SFR.6 (EX)I	50	44
	SR401	SFR.6/PT(EX)I	25	34
	SR500	SFR.6/M	50	34
	SR500	SFR.6/M	50	43
	SR500GR	SFR.6/M/GR	50	34
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	TE110	TE.6/D	50	25
	TE210	TE.16/D	30	26
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	TL500GR	TDE.2/GR	125	33
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Rail assembly composition guide

To order, terminal boards can be supplied pre-assembled **in standard configurations with continuous demand.** For the composition, please use **Speed Rail** (see page 144). Alternatively, use the diagram given below. Both instruments are also valid for simply requesting an estimate.

GENERAL INFORMATION

Company .....

Address .....

Telephone ..... Fax .....

E-mail .....

Person to contact .....

LIST OF MATERIALS

Type of mounting rail ..... Cat. No. .....

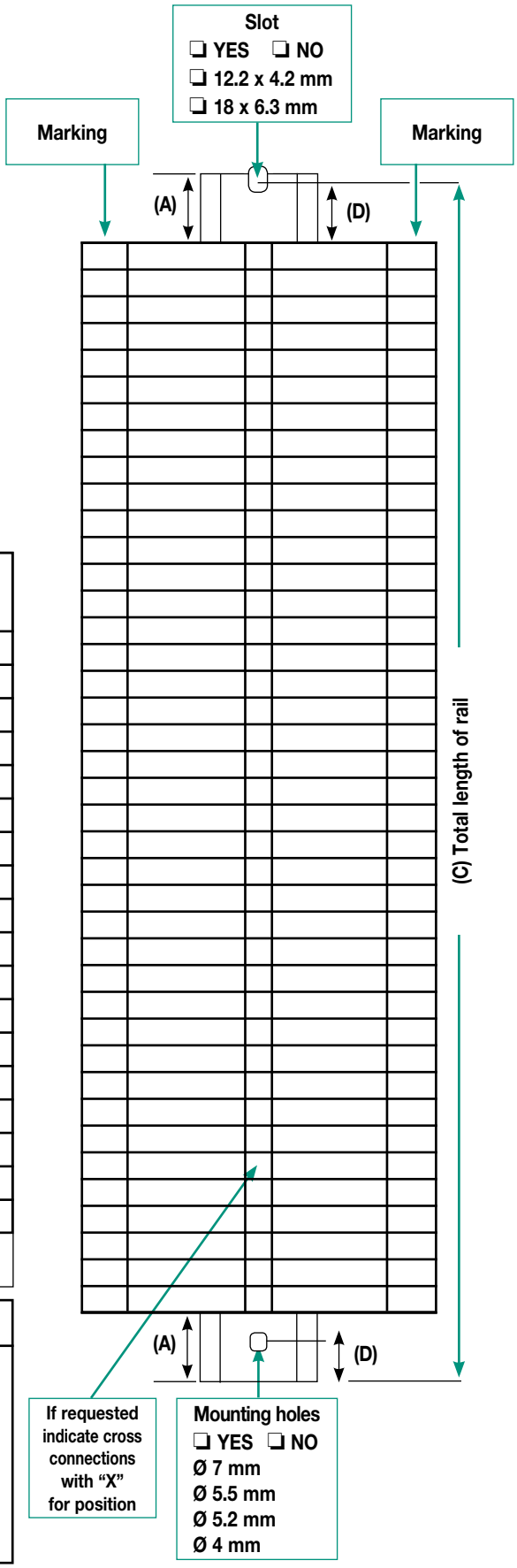
Components	Position	Qty.	Total thickness (mm)	Total Length (mm)

(B) Total length (mm) .....

Calculation for 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.