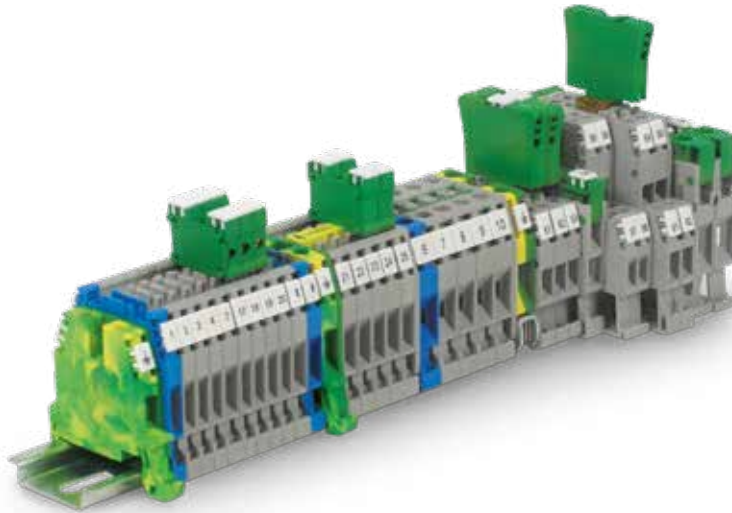


Screw-Clamp Terminal Blocks



CESI 08 ATEX 061 U
I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEX CES 09.0002U
Ex eb I Mb
Ex eb IIC Gb

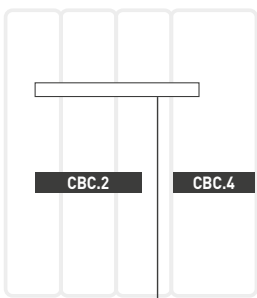
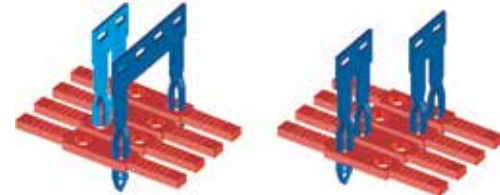
- Reduced overall dimensions
- Mounting on PR/3 rails according IEC 60715, TH/35 type
- Nominal voltage 1000 V
- Maximum continual operating temperature 130°C

- 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)
- Available in grey and blue; for other available colours refer to the single versions

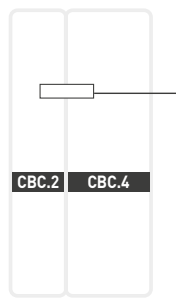
Easy Bridge System

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



Multi-pole CBC.2 cross-connection



2 pole CBC.2 cross-connection

SDC
mounted



SDC/P
mounted



SDC - SDC/P
with conductors



DFM/900



DFM/800



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.



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.



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.



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(1) See chapter accessories for more details



GREY VERSION	CODE TYPE	CBC02GR	CBC04GR	CBC06GR
		CBC.2/GR	CBC.4/GR	CBC.6/GR
BLUE VERSION	CODE TYPE	CBI02	CBI04	CBI06
		CBC.2 (EX)I	CBC.4 (EX)I	CBC.6 (EX)I

TECHNICAL CHARACTERISTICS

Function/type		feed-through	feed-through	feed-through
Rated cross-section	(mm ²)	2.5	4	6
Connecting capacity	Flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
	Rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 6	0,2 ÷ 10
	Max.flexible with ferrule - ferrule type (mm ²)	2.5 - WP25 / 14	4 - WP40 / 16	6 - WP60 / 20
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage (V)	1000	1000	1000
	Current with rated cross-section (A)	24	32	41
	Max current with Max cross-section (A)	37	45	64
	Section (Caliber)	A3	A4	A5
Electrical characteristics According to UL	Max AC/DC Voltage (V)	600	600	600
	Current with rated cross-section/Factory wiring only (A)	20 / 24	30 / 32	50
	Section Min-Max (AWG)	20-12	20-10	20-8
	Tightening torque (lb.in)	3.5	4.4	15
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage (V)	500	500	500
	Current with rated cross-section (A)	24	32	41
	Operating temperature (°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree		12 KV / 3	12 KV / 3	8 KV / 3
Insulation stripping length (mm)		9	10	10
Tightening torque nominal/max (Nm)		0,4 / 0,8	0,5 / 1,2	0,8 / 1,4
Width (mm)		5	6	8
Length (mm)		44	44	44
Height mounted on TH35/7,5 (mm)		52	52	52
Height mounted on TH35/15 (mm)		60	60	60
Insulation material temperature index (EN 60216-1) (°C)		130	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

APPROVALS



ACCESSORIES

End section	Grey	CBC.2-10/PT/GR (cod. CB061GR)	CBC.2-10/PT/GR (cod. CB061GR)	CBC.2-10/PT/GR (cod. CB061GR)
	Blue	CBC.2-10/PT (Ex)I (cod. CBI061)	CBC.2-10/PT (Ex)I (cod. CBI061)	CBC.2-10/PT (Ex)I (cod. CBI061)
	Thickness (mm)	1.5	1.5	1.5
Cross connection	PTC version (1)	PTC/2/... (cod. PTC02...)	PTC/4/... (cod. PTC04...)	PTC/6/... (cod. PTC06...)
	PTP version (1)	PTP/2/... (cod. PTP02...)	PTP/4/... (cod. PTP04...)	PTP/6/... (cod. PTP06...)
	Rated current / Rated current ATEX applications (A)	24 / 21	32 / 25	41 / 35
Cross connection identification strip	green	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)	PTC/SP (cod. PTC0990)
Disconnectable parallel bridge		-	-	-
Multiple common bar	250 mm	-	-	-
Shunting screw and sleeve	Standard / Ex e version	-	-	-
Coloured partition	red	DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)
Cross connection barrier	red	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)
Test plug socket		-	-	-
Test plug		-	-	-
Polarization insert		SDC/POL (cod. DCPOL)	SDC/POL (cod. DCPOL)	-
Modular test plug		SDC/5 (cod. DC005) - SDC/5P (cod. DC05P)	SDC/6 (cod. DC006) - SDC/6P (cod. DC06P)	-
Numbering strip		CNU/8/51 (cod. NU0851S)	CNU/8/61 (cod. NU0861S)	-
Marking tag		CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks	PRP/7/G (cod. PRP070G)	PRP/7/G (cod. PRP070G)	PRP/7/G (cod. PRP070G)
Cover for cross-connection		-	-	-
End bracket	Snap-fit TH35 and G32	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)



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I M2 Ex eb I Mb
II 2 G Ex eb IIC Gb

IECEx CES 09.0002U
Ex eb I Mb
Ex eb IIC Gb

(1) See chapter accessories for more details



GREY VERSION	CODE TYPE	CBC10GR	CBC16GR	CBC35GR
		CBC.10/GR	CBC.16/GR	CBC.35/GR
BLUE VERSION	CODE TYPE	CBI10	CBI16	CBI35
		CBC.10 (EX)I	CBC.16 (EX)I	CBC.35 (EX)I

TECHNICAL CHARACTERISTICS

Function/type		feed-through	feed-through	feed-through
Rated cross-section	(mm ²)	10	16	35
Connecting capacity	Flexible (mm ²)	1,5 ÷ 16	1,5 ÷ 25	2,5 ÷ 50
	Rigid (mm ²)	1,5 ÷ 16	1,5 ÷ 25	2,5 ÷ 50
	Max.flexible with ferrule - ferrule type (mm ²)	10 - WP100 / 21	16 - WP160 / 22	35 - WP350 / 30
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage (V)	1000	1000	1000
	Current with rated cross-section (A)	57	76	125
	Max current with Max cross-section (A)	85	114	160
	Section (Caliber)	B6	B7	B9
Electrical characteristics According to UL	Max AC/DC Voltage (V)	600	600	600
	Current with rated cross-section/Factory wiring only (A)	65	100	125
	Section Min-Max (AWG)	14-6	16-3	12-1
	Tightening torque (lb.in)	17	25	75
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC Voltage (V)	400	500	630
	Current with rated cross-section (A)	57	76	125
	Operating temperature (°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree		8 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length (mm)		12	18	18
Tightening torque nominal/max (Nm)		1,2 / 1,9	2 / 3	2,5 / 5
Width (mm)		10	12	16
Length (mm)		44	47	56
Height mounted on TH35/7,5 (mm)		52	56	63
Height mounted on TH35/15 (mm)		60	64	71
Insulation material temperature index (EN 60216-1) (°C)		130	130	130
Plastic material		polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

APPROVALS



ACCESSORIES

End section	Grey	CBC.2-10/PT/GR (cod. CB061GR)	CBC.16/PT/GR (cod. CB161GR)	CBC.35/PT/GR (cod. CB351GR)
	Blue	CBC.2-10/PT (Ex)I (cod. CBI061)	CBC.16/PT (Ex)I (cod. CBI161)	CBC.35/PT (Ex)I (cod. CBI351)
	Thickness (mm)	1,5	1,5	1,5
Cross connection	PTC version (1)	PTC/10/... (cod. PTC10...)	POF/53 (cod. POF53) - PFX/53 (cod. PFX53)	POF/35 (cod. POF35) - PFX/35 (cod. PFX35)
	PTP version (1)	-	-	-
	Rated current / Rated current ATEX applications (A)	57 / 47	76 / 76	125 / 125
Cross connection identification strip	green	PTC/SP (cod. PTC0990)	-	-
Disconnectable parallel bridge		-	POS/53 (cod. POS53)	-
Multiple common bar	250 mm	-	PMP/05 (cod. PMP05) 21 poles	PMP/35 (cod. PMP35) 16 poles
Shunting screw and sleeve	Standard / Ex e version	-	CPM/53 (cod. CPM53) - CPX/53 (cod. CPX53)	CPM/35 (cod. CPM35) - CPX/35 (cod. CPX35)
Coloured partition	red	DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)	DFU/5/R (cod. DU05R)
Cross connection barrier	red	DFM/800 (cod. DF800) - DFM/900 (cod. DF900)	DFM/700 (cod. DF700)	DFM/700 (cod. DF700)
Test plug socket		-	PSD/B (cod. PD002)	PSD/B (cod. PD002)
Test plug		-	SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Polarization insert		-	-	-
Modular test plug		-	-	-
Numbering strip		-	-	-
Marking tag		CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
Warning plate	on adjacent terminal blocks	PRP/7/G (cod. PRP070G)	TUM/16 (cod. TUM16)	TUM/16 (cod. TUM16)
Cover for cross-connection		-	PRP/7 (cod. PRP07)	PRP/8 (cod. PRP08)
End bracket	Snap-fit TH35 and G32	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)