

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 (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 (mm ²) - 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 mm ²) / B6	1000 V / 101 A (25 mm ²) / B7	1000 V / 150 A (50 mm ²) / 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 / 12-1 AWG / 8.47 Nm				
max current (*)	70 A (10 mm ²) / 85 A (16 mm ²)	95 A (16 mm ²) / 114 A (25 mm ²)	134 A (35 mm ²) / 160 A (50 mm ²)				
(Ex e) rated voltage / / rated current	400 V / 57 A	500 V / 76 A	630 V / 125 A				
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	52 / 44 / 10	56 / 47 / 12	63 / 56 / 16				
height / width / thickness	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
	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	(same, Ex e version)		(same, Ex e version)	
		PTC/10/10 poles (*)	PTC1010	76 / (76)		125 / (125)	
		PTC/10/00 (25 poles) (*)	PTC1000				
Rated current carrying capacity of jumper (same, Ex e version) (A)		57 / (47)		POS/53	POS53		
Cross-connection identification strip(100 mm)	green	PTC/SP	PTC0990	PMP/05 21 poles	PMP05	PMP/35 16 poles	PMP35
Switchable cross connection		-		CPM/53 (CPX/53)	CPM53 (CPX53)	CPM/35 (CPX/35)	CPM35 (CPX35)
Multiple common bar	250 mm	-		DFU/4/R	DU04R	DFU/5/R	DU05R
Shunting screw and sleeve (same, Ex e version)		-		DFM/800 - DFM/900	DF800-900	DFM/700	DF700
Coloured partition	red	-		PSD/B	PD002	PSD/B	PD002
Cross connection barrier	red	-		SDD/2	DD002	SDD/2	DD002
Test plug socket		-		-		-	
Test plug		-		-		-	
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