

CBC Series

with UL94V-0 polyamide insulating body

- UL94V-0
- reduced overall dimension
- patented "Easy bridge" system: double possibility to insert PTC multi-pole cross-connections, without the need of insulating protection
- mounting onto PR/3 type rails, according to IEC 60715 Std., "TH/35" type
- available in grey RAL 7042 and beige RAL 1001 colours
- **CESI 08 ATEX 061 U** Ex e (Ex) certificate I M2 / II 2 G D operating temperature range: -40 ÷ +80 °C
- **CoC IEC Ex N. CES 09.0002U** Ex e II



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

Values in brackets are referred to the Ex e application

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

Terminal block	Jumper	Insulation voltage in the above configurations (V)					
CBC.10	PTC/10	800 (250)	630 (320)		800 (250)	800 (250)	630 (250)
CBC.16	PTC/10	(320)	(320)		(600)	-	-
CBC.35	PTC/10	(250)	-		(630)	-	-

grey version	
beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	feed-through
rated cross-section (mm²)	10
connecting capacity	
flexible (mm²)	1,5 ÷ - 16
rigid (mm²)	1,5 ÷ - 16
max. flexible with ferrule (mm²) - ferrule type	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 76 A (16 mm²) / B6
rated voltage / rated current / AWG / tightening torque value UL	600 V / 65 A / 14-6 AWG / 1,9 Nm
max current (*)	70 A (10 mm²) / 85 A (16 mm²)
(Ex e) rated voltage (V)	400
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	12
tightening torque value (test / max) (Nm)	1,2 / 1,9
height / width / thickness (mm)	52 / 44 / 10
height / width / thickness (mm)	60 / 44 / 10

CBC.10/GR	Cat. No. CBC10GR
CBC.10	Cat. No. CBC10
CBC.10 (Ex)i	Cat. No. CBI10
function / type	feed-through
rated cross-section (mm²)	10
connecting capacity	
flexible (mm²)	1,5 ÷ - 16
rigid (mm²)	1,5 ÷ - 16
max. flexible with ferrule (mm²) - ferrule type	10 - WP100/21
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 76 A (16 mm²) / B6
rated voltage / rated current / AWG / tightening torque value UL	600 V / 65 A / 14-6 AWG / 1,9 Nm
max current (*)	70 A (10 mm²) / 85 A (16 mm²)
(Ex e) rated voltage (V)	400
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	12
tightening torque value (test / max) (Nm)	1,2 / 1,9
height / width / thickness (mm)	52 / 44 / 10
height / width / thickness (mm)	60 / 44 / 10

CBC.16/GR	Cat. No. CBC16GR
CBC.16	Cat. No. CBC16
CBC.16 (Ex)i	Cat. No. CBI16
function / type	feed-through
rated cross-section (mm²)	25
connecting capacity	
flexible (mm²)	1,5 ÷ 25
rigid (mm²)	1,5 ÷ 25
max. flexible with ferrule (mm²) - ferrule type	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 101 A (25 mm²) / B7
rated voltage / rated current / AWG / tightening torque value UL	600 V / 100 A / 16-3 AWG / 2,8 Nm
max current (*)	95 A (16 mm²) / 114 A (25 mm²)
(Ex e) rated voltage (V)	500
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	15
tightening torque value (test / max) (Nm)	2 / 3
height / width / thickness (mm)	56 / 47 / 12
height / width / thickness (mm)	64 / 47 / 12

CBC.35/GR	Cat. No. CBC35GR
CBC.35	Cat. No. CBC35
CBC.35 (Ex)i	Cat. No. CBI35
function / type	feed-through
rated cross-section (mm²)	50
connecting capacity	
flexible (mm²)	2,5 ÷ 50
rigid (mm²)	2,5 ÷ 50
max. flexible with ferrule (mm²) - ferrule type	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	1000 V / 150 A (50 mm²) / B9
rated voltage / rated current / AWG / tightening torque value UL	600 V / 125 A / 12-1 AWG / 8,47 Nm
max current (*)	134 A (35 mm²) / 160 A (50 mm²)
(Ex e) rated voltage (V)	630
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	18
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness (mm)	63 / 56 / 16
height / width / thickness (mm)	71 / 56 / 16

APPROVALS



ACCESSORIES

End sections	grey beige blue
Permanent cross connection (*)	intrinsically IPXXB protected once mounted
Rated current carrying capacity of jumper (same, Ex e version) (A)	
Cross-connection identification strip (100 mm)	green
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve (same, Ex e version)	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CBC.2-10/PT/GR	CB061GR
CBC.2-10/PT	CB061
CBC.2-10/PT (Ex)i	CBI061
PTC/10/02 poles (*)	PTC1002
PTC/10/03 poles (*)	PTC1003
PTC/10/05 poles (*)	PTC1005
PTC/10/10 poles (*)	PTC1010
PTC/10/00 (25 poles) (*)	PTC1000
57 / (47)	
PTC/SP	PTC0990
-	-
DFU/4	DU04..
DFM/800 - DFM/900	DF800-900
-	-
-	-
-	-
PRP/7/G (100 mm)	PRP070G
-	-
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

Type	Cat. No.
CBC.16/PT/GR	CB161GR
CBC.16/PT	CB161
CBC.16/PT (Ex)i	CBI161
POF/53	POF53
(PFX/53)	(PFX53)
(same, Ex e version)	
76 / (76)	
-	-
POS/53	POS53
PMP/05	PMP05
CPM/53 (CPX/53)	CPM53 (CPX53)
DU0/4	DU04..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	-
-	-
-	-
TUM/16 on 3 and 4	TUM16
-	-
PRP/7	PRP07
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05

Type	Cat. No.
CBC.35/PT/GR	CB351GR
CBC.35/PT	CB351
CBC.35/PT (Ex)i	CBI351
POF/06	POF06
PFX/06	(PFX06)
(same, Ex e version)	
125 / (125)	
-	-
-	-
PMP/06	PMP06
CPM/06 (CPX/06)	CPM06 (CPX06)
DU0/5	DU05..
DFM/700	DF700
PSD/B	PD002
SDD/2	DD002
-	-
-	-
-	-
TUM/06 on 3 and 4	TUM06
-	-
PRP/8	PRP08
CNU/8/51	NU0851
BTU for PR/DIN and PR/3	BT005
BTO for PR/3 only	BT007
BT/3 for PR/3 only	BT003
-	-
PR/3/AC for PR/DIN and PR/3	PRO03
PR/3/AS same with slots	PRO05