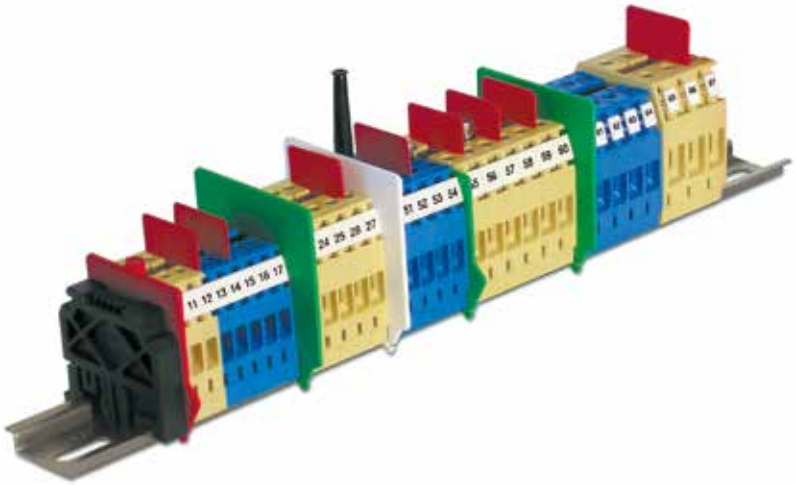

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- Behaviour in flame UL94V-0
- Universal mounting on PR/DIN and PR/3 rails in accordance with IEC 60715 standard
- Maximum continual operating temperature 130°C

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, 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.

Type	Ratedcross section (mm²)	Flexible conductor (mm²) min.	Flexible conductor (mm²) max.	Rigid conductor (mm²) min.	Rigid conductor (mm²) max.	Gauge	Max. current (A)
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

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

SCREW TERMINAL BLOCKS

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.

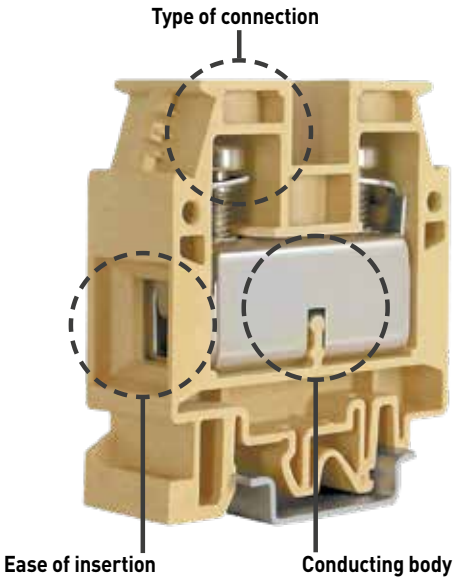
Other functions:
besides their main function of feed-through terminal blocks, the CBD terminal blocks are designed and made so as to be able to perform other functions. In fact, using a hole made in the upper part of the conducting body it is possible:
- to create a fixed or switchable transversal connection (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, CNU/10 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.

TH/35-7.5 rail

TH/35-15 rail

"G 32"-type rail



CNU marking

CSC marking

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(1) See chapter accessories for more details
(2) If you need to connect shielded cable with CB009 accessory, the rated voltage is reduce to 200V

		CB110	CB240	CB340
BEIGE VERSION	**CODE**			
	TYPE	**CBD.2**	**CBD.4**	**CBD.6**
BLUE VERSION	**CODE**	**CBX12**	**CBX24**	**CBX34**
	TYPE	**CBD.2 (EX)I**	**CBD.4 (EX)I**	**CBD.6 (EX)I**
GREY VERSION	**CODE**			
	TYPE			

TECHNICAL CHARACTERISTICS

Function/type			Feed-through	Feed-through	Feed-through
Rated cross-section		(mm²)	2.5	4	6
Connecting capacity	Flexible	(mm²)	0.5 – 4	0.5 – 6	0.5 – 10
	Rigid	(mm²)	0.5 – 4	0.5 – 6	0.5 – 10
	Max. flexible with ferrule - ferrule type	(mm²)	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)	690	1000	1000
	Current with rated cross-section	(A)	24	32	41
	Section	Caliber	A3	A4	A5
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Current with rated cross-section	(A)	20 / 25	30 / 32	50
	Section Min-Max	(AWG)	20 - 12	20 - 10	20 - 8
	Tightening torque	(lb.in)	5.5	8.9	13.3
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	400 / 630	500 / 630	500 / 630
	Current with rated cross-section	(A)	24	32	41
	Operating Temperature	(°C)	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			8kV/3	12kV/3	12kV/3
Insulation stripping length		(mm)	13	14	14
Tightening torque nominal/max		(Nm)	0.4 / 0.8	0.5 / 1.2	0.8 / 1.4
Width		(mm)	5.5	6.5	8
Length		(mm)	40.5	44	44
Height mounted on TH35/7,5		(mm)	47	52	52
Height mounted on TH35/15		(mm)	55	60	60
Height mounted on G32		(mm)	51	56	56
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					

ACCESSORIES

End section	Grey		-	-	-
	Blue		CB2/PT (Ex)i (cod. CBX13)	CB4/6/PT (Ex)i (cod.CBX25)	CB4/6/PT (Ex)i (cod.CBX25)
	Beige		CB2/PT (cod. CB111)	CB4/6/PT (cod. CB241)	CB4/6/PT (cod. CB241)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	(1)		PM/20/... (cod. PM2...)	PM/40/... (cod. PM4...)	PM/60/... (cod. PM6...)
	Rated current / Rated current ATEX applications	(A)	24 / 24	32 / 32	41 / 41
Switchable cross connection			POS/11 (cod.POS11)	POS/42 (cod. POS42)	POS/93 (cod. POS93)
Multiple common bar	250 mm		PMP/01/45 (cod. PMP01) 45 poles	PMP/42/38 (cod. PMP42) 38 poles	PMP/13/31 (cod. PMP13) 31 poles
Shunting screw and sleeve (same, Ex e version)			CPM/21 (cod. CPM21) - CPX/21 (cod. CPX21)	CPM/12 (cod. CPM12) - CPX/12 (cod. CPX12)	CPM/83 (cod.CPM83) - CPX/83 (cod. CPX83)
Coloured partition	red		DFU/1/R (cod. DU01R)	DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)
Cross connection barrier	red		DFM/600 (cod. DF600)	DFM/600 (cod. DF600)	DFM/600 (cod. DF600)
Test plug socket			PSD/D (cod. PD004)	PSD/D (cod. PD004)	PSD/N (cod. PD013)
Test plug			SDD/1 (cod. DD001)	SDD/1 (cod. DD001)	SDD/1 (cod. DD001)
Modular test plug			SDD/5 (cod. DD005)	SDD/6 (cod. DD006)	-
End section for modular test plug			SD5/PT (cod. DD501)	SD6/PT (cod. DD601)	-
Adhesive numbering strip			TMM102105AW	TMM102105AW	TMM102105AW
Warning plate	on adjacent terminal blocks		TQM/02 on 4 (cod. TQM02)	TTM/12 on 3 and on 4 (cod. TTM12)	TTM/15 on 3 (cod. TTM15) - TQM/15 on 4 (cod. TQM15)
Cover for cross-connection			PRP/6 (cod. PRP06)	PRP/6 (cod. PRP06)	PRP/7 (cod. PRP07)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
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)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)
Screening lug	(2)		CBD/SH (cod. CB009)	CBD/SH (cod. CB009)	CBD/SH (cod. CB009)

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(1) See chapter accessories for more details
(2) If you need to connect shielded cable with CB009 accessory, the rated voltage is reduce to 250V

BEIGE VERSION		**CODE**	**CB440**	**CB510**	**CB610**
		TYPE	**CBD.10**	**CBD.16**	**CBD.35**
BLUE VERSION		**CODE**	**CBX45**	**CBX52**	**CBX62**
		TYPE	**CBD.10 (EX)I**	**CBD.16 (EX)I**	**CBD.35 (EX)I**
GREY VERSION		**CODE**			
		TYPE			
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 - ferrule type	(mm²)	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
	Section	Caliber	B6	B7	B8
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600	600
	Current with rated cross-section	(A)	60	100	125
	Section Min-Max	(AWG)	20 - 6	20 - 3	16 - 1
	Tightening torque	(lb.in)	13.3	19.9	22.1
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	500 / 630	630 / 630	630 / 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			12 KV / 3	12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	14	18	20
Tightening torque nominal/max		(Nm)	1,2 / 1,9	1,8 / 3	2 / 3,5
Width		(mm)	10	12	16
Length		(mm)	44	47	52
Height mounted on TH35/7,5		(mm)	55	57	60
Height mounted on TH35/15		(mm)	63	65	68
Height mounted on G32		(mm)	59	61	64
Insulation material temperature index (EN 60216-1)		(°C)	130	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS					
ACCESSORIES					
End section	Grey		-	-	-
	Blue		CB10/PT (Ex)i (cod. CBX44)	CB16/PT (Ex)i (cod.CBX53)	CB35/PT (Ex)i (cod. CBX63)
	Beige		CB10/PT (cod. CB431)	CB16/PT (cod.CB511)	CB35/PT (cod. CB611)
	Thickness	(mm)	1.5	1.5	1.5
Cross connection	(1)		PM/10/... (cod. PM10...)	POF/44 (cod.POF44) - PFX/44 (cod. PFX44)	POF/06 (cod. POF06) - PFX/06 (cod. PFX06)
	Rated current / Rated current ATEX applications	(A)	57 / 57	76 / 76	125 / 125
Switchable cross connection			POS/44 (cod. POS44)	POS/44 (cod. POS44)	POS/66 (cod. POS66)
Multiple common bar	250 mm		PMP/04/25 (cod.PMP04) 25 poles	PMP/05/21 (cod. PMP05) 21 poles	PMP/06/16 (cod. PMP06) 16 poles
Shunting screw and sleeve (same, Ex e version)			CPM/03 (cod. CPM03) - CPX/03 (cod. CPX03)	CPM/44 (cod. CPM44) - CPX/44 (cod. CPX44)	CPM/06 (cod. CPM06) - CPX/06 (cod.CPX06)
Coloured partition	red		DFU/4/R (cod. DU04R)	DFU/4/R (cod. DU04R)	DFU/5/R (cod. DU05R)
Cross connection barrier	red		DFM/700 (cod. DF700)	DFM/700 (cod. DF700)	DFM/700 (cod. DF700)
Test plug socket			PSD/B (cod. PD002)	PSD/B (cod. PD002)	PSD/B (cod. PD002)
Test plug			SDD/2 (cod. DD002)	SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Modular test plug			-	-	-
End section for modular test plug			-	-	-
Adhesive numbering strip			TMM102105AW	TMM102105AW	TMM102105AW
Warning plate	on adjacent terminal blocks		TTM/04 on 3 (cod. TTM04) - TQM/04 on 4 (cod. TQM04)	TUM/05 on 3 and on 4 (cod. TUM05)	TUM/06 on 3 and on 4 (cod. TUM06)
Cover for cross-connection			PRP/7 (cod. PRP07)	PRP/7 (cod. PRP07)	PRP/8 (cod. PRP08)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
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)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)
Screening lug	(2)		CBD/SH (cod. CB009)	-	-

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BEIGE VERSION	**CODE**	**CB710**	**CB810**
	TYPE	**CBD.50**	**CBD.70**
BLUE VERSION	**CODE**	**CBX72**	**CBX82**
	TYPE	**CBD.50 (EX)I**	**CBD.70 (EX)I**
GREY VERSION	**CODE**	**CB710GR**	**CB810GR**
	TYPE	**CBD.50/GR**	**CBD.70/GR**

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 - ferrule type	(mm²)	50 - WP500/40	-
Electrical characteristics According to European standard IEC EN 60947-7-1	Max AC/DC Voltage	(V)	1000	1000
	Current with rated cross-section	(A)	150	192
	Section	Caliber	B9	B11
Electrical characteristics According to UL	Max AC/DC Voltage	(V)	600	600
	Current with rated cross-section	(A)	130	220
	Section Min-Max	(AWG)	16 - 1	12 - 4/0
	Tightening torque	(lb.in)	33.2	50
Electrical characteristics According to ATEX directive and IEC ex standard	Max AC/DC voltage with G32 rail / TH35 rail	(V)	630 / 630	630 / 630
	Current with rated cross-section	(A)	150	173
	Operating Temperature	(°C)	-40 ÷ +110	-40 ÷ +110
Rated impulse withstand voltage/pollution degree			12 KV / 3	12 KV / 3
Insulation stripping length		(mm)	22	26
Tightening torque nominal/max		(Nm)	2,5 / 5	3 / 8
Width		(mm)	18	20.5
Length		(mm)	57	62
Height mounted on TH35/7,5		(mm)	62	71
Height mounted on TH35/15		(mm)	70	79
Height mounted on G32		(mm)	66	75
Insulation material temperature index (EN 60216-1)		(°C)	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS				

ACCESSORIES

End section	Grey		CB50/PT/GR (cod. CB711GR)	CB70/PT/GR (cod.CB811GR)
	Blue		CB50/PT (Ex)i (cod. CBX73)	CB70/PT (Ex)i (cod. CBX83)
	Beige		CB50/PT (cod. CB711)	CB70/PT (cod. CB811)
	Thickness	(mm)	1.5	1.5
Cross connection	(1)		POF/07 (cod. POF07) - PFX/07 (cod. PFX07)	POF/08 (cod. POF08) - PFX/08 (cod. PFX08)
	Rated current / Rated current ATEX applications	(A)	150 / 150	192 / 155
Switchable cross connection			POS/77 (cod. POS77)	POS/08 (cod. POS08)
Multiple common bar	250 mm		PMP/07/14 (cod. PMP07) 14 poles	PMP/08/12 (cod.PMP08) 12 poles
Shunting screw and sleeve (same, Ex e version)			CPM/07 (cod. CPM07) - CPX/07 (cod. CPX07)	CPM/08 (cod. CPM08) - CPX/08 (cod. CPX08)
Coloured partition	red		DFU/5/R (cod. DU05R)	DFU/6/R (cod. DU06R)
Cross connection barrier	red		DFM/700 (cod. DF700)	DFM/700 (cod. DF700)
Test plug socket			PSD/C (cod. PD003)	PSD/C (cod. PD003)
Test plug			SDD/2 (cod. DD002)	SDD/2 (cod. DD002)
Modular test plug			-	-
End section for modular test plug			-	-
Adhesive numbering strip			TMM102105AW	TMM102105AW
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 (cod. PRP08)	PRP/8 (cod. PRP08)
Marking tag			CNU/8/51 (cod. NU0851S)	CNU/8/51 (cod. NU0851S)
			CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
End bracket	Snap-fit TH35 and G32		BTU (cod. BT005)	BTU (cod. BT005)
	Snap-fit TH35		BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35		BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Screw G32		BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)
Screening lug	(2)		-	-