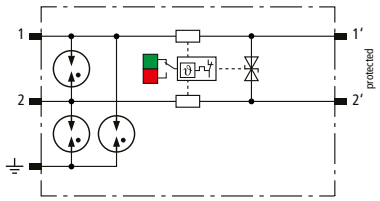
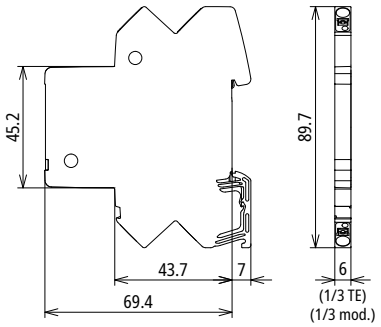
BCO CL2 BD EX 24 (927 984)

- LifeCheck arrester monitoring and integrated status indication
- Compact two-pole arrester for optimal protection of one pair in intrinsically safe signal circuits
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_A – 2 and higher





Basic circuit diagram



Dimension drawing

Space-saving, compact surge arrester with a width of 6 mm and push-in connection technology with status indication for protecting one pair of intrinsically safe measuring circuits and bus systems, meets FISCO requirements. Insulation strength > 500 V line-ground.

Type	**BCO CL2 BD EX 24**
Part No.	**927 984**
Standards	
Certification	UL
UL Standard	UL 497b
UL File Number	E156818
Technical data	
SPD class	TYPE 1 P2
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	24 V
Max. continuous operating voltage DC (U_C)	36 V
Max. continuous operating a.c. voltage (U_C)	25.4 V
Nominal current at 80°C (I_L)	0.5 A
D1 Total lightning impulse current (10/350 µs) (I_{imp})	3 kA
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 65 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 1100 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 48 V
Voltage protection level line-PG at 1 kV/µs C3 (U_p)	≤ 1000 V
Series resistance per line	1 Ohm
Cut-off frequency line-line (f_G)	3.5 MHz
Capacitance line-line (C)	≤ 2 nF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input / output)	push-in / push-in
Cross-sectional area, solid	0.2-2.5 mm²
Cross-sectional area, flexible	0.2-2.5 mm²
Earthing via	35 mm DIN rails acc. to EN 60715
Enclosure material	polyamide PA 6.6
Colour	blue
Test standards	IEC 61643-21 / EN 61643-21
Approvals	ATEX, IECEx, CCC, SIL
SIL classification	up to SIL3 *)
ATEX approvals (1)	TÜV 19 ATEX 8476 X: II (1)2 G Ex ia [ia Ga] IIC T4 ... T6 Gb
ATEX approvals (2)	TÜV 19 ATEX 8476 X: II 2 G Ex ib IIC T4 ... T6 Gb

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Technical data	
ATEX approvals (3)	TÜV 19 ATEX 8476 X:II (1) D [Ex ia Da] IIIC
IECEx approvals (1)	IECEx TUR 20.0025X: Ex ia [ia Ga] IIC T4 ... T6 Gb
IECEx approvals (2)	IECEx TUR 20.0025X: Ex ib IIC T4 ... T6 Gb
IECEx approvals (3)	IECEx TUR 20.0025X: [Ex ia Da] IIIC
China Compulsory Certification	CCC No. 2021312304001130 (Ex ia, Ex ib)
Extended technical data	
Max. discharge current (8/20 µs) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
Discharge current (8/20 µs) [1/2 - PG], [1+2 - PG]	10 kA (10x)
Voltage protection level line-PG at 1 kV/µs C3 after being subjected to I_{max} (U_p)	≤ 1000 V

Masterdata	
Net weight	33.38 g/pc(s)
GTIN	4013364412002
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

*) For details, see: www.dehn-international.com