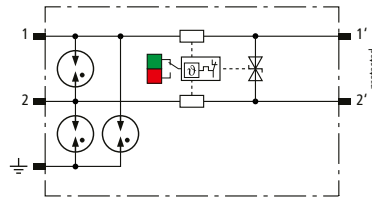
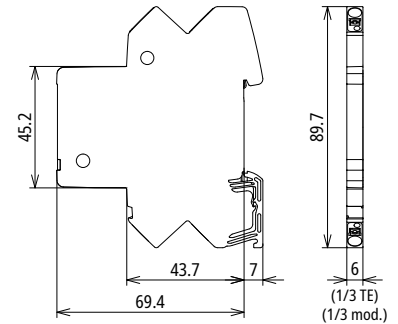


BCO CL2 BD EX 24 (927 984)

- 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
Technical data	
SPD class	TYPE 1P2
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_n)	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_c)	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 mm ²
Cross-sectional area, flexible	0.2-2.5 mm ²
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
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

Technical data

China Compulsory Certification CCC No. 2021312304001130 (Ex ia, Ex ib)

Extended technical data

Max. discharge current (8/20 μ s) [1/2 - PG], [1+2 - PG] (I_{max}) 20 kA
 Discharge current (8/20 μ s) [1/2 - PG], [1+2 - PG] 10 kA (10x)
 Voltage protection level line-PG at 1 kV/ μ s C3 after being subjected to I_{max} (U_p) ≤ 1000 V

Standards

Certification UL
 UL Standard UL 497b
 UL File Number E156818

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