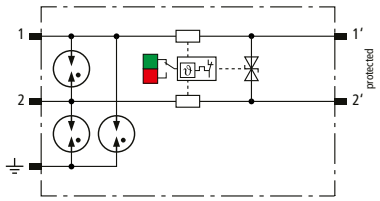
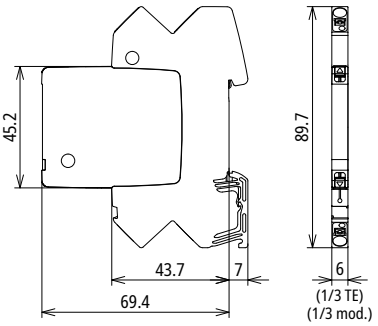
BCO ML2 BD EX 24 (927284)

- LifeCheck arrester monitoring and integrated status indication
- Modular 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, modular combined 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 core-earth. With signal disconnection for maintenance purposes.

Type	**BCO ML2 BD EX 24**
Part No.	**927284**
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 (Up)	≤ 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
Connection (input / output)	push-in / push-in
Cross-sectional area, solid	0.08-2.5 mm²
Cross-sectional area, flexible	0.08-2.5 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
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 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	34.86 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364405677
PU	1 pc(s)

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