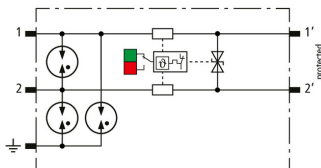


BCO ML2 BD EX 24 (927 284)

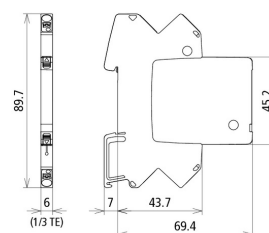
- LifeCheck arrester monitoring and integrated status indication
- Modular two-pole arrester for optimal protection of one pair in intrinsically safe signal circuits
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A -2$ and higher



Figure without obligation



Basic circuit diagram BCO ML2 BD EX 24



Dimension drawing BCO ML2 BD EX 24

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.	927 284
SPD class	TYPE 1 P2
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_n)	24 V
Max. continuous operating voltage (d.c.) (U_c)	36 V
Max. continuous operating voltage (a.c.) (U_c)	25.4 V
Nominal current at 80 °C (I_n)	0.5 A
D1 Total lightning impulse current (10/350 μ s) (I_{imp})	3 kA
D1 Lightning impulse current (10/350 μ s) per line (I_{imp})	1.5 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	10 kA
C2 Nominal discharge current (8/20 μ s) 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 for I_n C1 (U_p)	≤ 65 V
Voltage protection level line-PG for I_n C1 (U_p)	≤ 1100 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 48 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 1000 V
Series resistance per line	1 ohm(s)
Cut-off frequency line-line (f_c)	3.5 MHz
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 mm ²
Cross-sectional area (flexible)	0.08-2.5 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	SIL, ATEX, IECEx
ATEX approvals (1) (in preparation)	TUR XX ATEX XXXX.X: II 2(1)G Ex ia [ia Ga] IIC T4 ... T6 Gb
ATEX approvals (2) (in preparation)	TUR XX ATEX XXXX.X: II 2G Ex ib IIC T4 ... T6 Gb
ATEX approvals (3) (in preparation)	TUR XX ATEX XXXX.X: II (1)D [Ex ia Da] IIIC
IECEx approvals (1) (in preparation)	IECEx TUR XX.XXXXX: Ex ia [ia Ga] IIC T4 ... T6 Gb
IECEx approvals (2) (in preparation)	IECEx TUR XX.XXXXX: Ex ib IIC T4 ... T6 Gb
IECEx approvals (3) (in preparation)	IECEx TUR XX.XXXXX: [Ex ia Da] IIIC
Extended technical data:	-----
- Max. discharge current (8/20 μ s) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
- Voltage protection level line-PG at 1 kV/ μ s C3 after being subjected to I_{max} (U_p)	≤ 1000 V
Weight	40 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364405677
PU	1 pc(s)