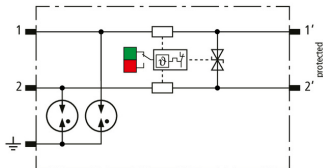


## BCO ML2 BD 24 (927 244)

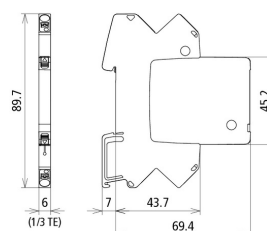
- LifeCheck arrester monitoring and integrated status indication
- Modular two-pole arrester for optimal protection of one pair
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A -2$  and higher



Figure without obligation



Basic circuit diagram BCO ML2 BD 24



Dimension drawing BCO ML2 BD 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 unearthed balanced interfaces. With signal disconnection for maintenance purposes.

Type	BCO ML2 BD 24
Part No.	927 244
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 70 °C ( $I_N$ )	0.75 A
D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	3 kA
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	1.5 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	5 kA
Voltage protection level line-line for $I_n$ C2 ( $U_p$ )	$\leq 57$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 600$ V
Voltage protection level line-line for $I_n$ C1 ( $U_p$ )	$\leq 57$ V
Voltage protection level line-PG for $I_n$ C1 ( $U_p$ )	$\leq 600$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 46$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 600$ V
Series resistance per line	1 ohm(s)
Cut-off frequency line-line ( $f_c$ )	5.8 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)	0.2-2.5 mm <sup>2</sup>
Cross-sectional area (flexible)	0.2-2.5 mm <sup>2</sup>
Earthing via	35 mm DIN rails acc. to EN 60715
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	UL, SIL
ATEX approvals (in preparation)	TUR XX ATEX XXXX.X: II 3G Ex ec IIC T4 Gc
IECEX approvals (in preparation)	IECEX TUR XX.XXXXX: Ex ec IIC T4 Gc
Extended technical data:	-----
– Max. discharge current (8/20 $\mu$ s) [1/2 - PG], [1+2 - PG] ( $I_{max}$ )	20 kA
– Voltage protection level line-PG at 1 kV/ $\mu$ s C3 after being subjected to $I_{max}$ ( $U_p$ )	$\leq 600$ V
Weight	34 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364405639
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.