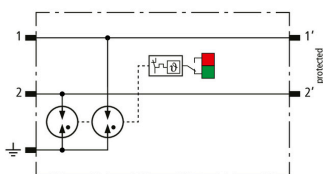


## BCO ML2 B 180 (927 210)

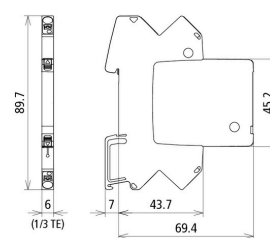
- LifeCheck arrester monitoring and integrated status indication
- Modular two-pole arrester for lightning equipotential bonding
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A -1$  and higher



Figure without obligation



Basic circuit diagram BCO ML2 B 180



Dimension drawing BCO ML2 B 180

Space-saving, modular lightning current arrester with a width of 6 mm and push-in connection technology with status indication for protecting two single lines for lightning equipotential bonding as well as indirect earthing of shielded cables. With signal disconnection for maintenance purposes.

Type	BCO ML2 B 180
Part No.	927 210
SPD class	<b>TYPE 1</b>
Impulse category	D1, C2, C3
Nominal voltage ( $U_n$ )	180 V
Max. continuous operating voltage (d.c.) ( $U_c$ )	180 V
Max. continuous operating voltage (a.c.) ( $U_c$ )	127 V
Nominal current ( $I_n$ )	1.2 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 ( $U_p$ )	$\leq 1100$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 800$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 950$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 700$ V
Series resistance per line	0 ohm(s)
Cut-off frequency line-line at 100 ohms ( $f_G$ )	150 MHz
Capacitance line-line (C)	$\leq 10$ pF
Capacitance line-PG (C)	$\leq 13$ 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)	0.2-2.5 mm <sup>2</sup>
Cross-sectional area (fine stranded)	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, CSA, EAC, ATEX, IECEx, CCC, SIL
ATEX approvals	TÜV 20 ATEX 8527 X: II 3G Ex ec IIC T4 Gc
IECEx approvals	IECEx TUR 20.0063X: Ex ec IIC T4 Gc
China Compulsory Certification	CCC no. 2021312304001192
Extended technical data:	-----
– Discharge current (8/20 $\mu$ s) [1/2 - PG], [1+2 - PG]	10 kA (10x)
– Voltage protection level line-PG at 1 kV/ $\mu$ s C3 after being subjected to $I_{max}$ ( $U_p$ )	$\leq 700$ V
Weight	33 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364405585
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.