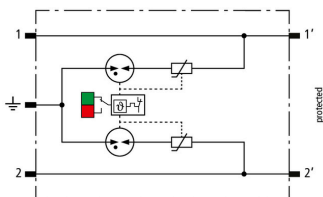


## BCO ML2 MVG 230 (927 290)

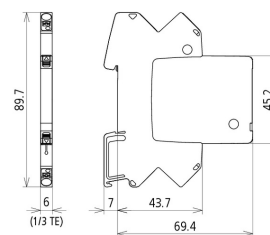
- LifeCheck arrester monitoring and integrated status indication
- Modular arrester with leakage-current-free circuit for 2 signal lines
- For installation in conformity with the lightning protection zone concept at the boundaries from  $O_b$  to 2 and higher



Figure without obligation



Basic circuit diagram BCO ML2 MVG 230



Dimension drawing BCO ML2 MVG 230

Space-saving, modular surge arrester with a width of 6 mm and push-in connection technology with status indication for protecting 2 lines of stranded unearthed signal interfaces with a nominal voltage of 230 V. With signal disconnection for maintenance purposes.

Meets, amongst other things, the requirements for signalling systems in the railway industry (e.g. DB RIL 819.0808 railway directive).

Type	BCO ML2 MVG 230
Part No.	927 290
SPD class	TYPE 2 P3
Impulse category	C1, C2, C3
Nominal voltage ( $U_N$ )	230 V
Max. continuous operating voltage (DC) line-PG ( $U_C$ )	320 V
Max. continuous operating voltage (AC) line-PG ( $U_C$ )	250 V
Nominal current at 80 °C ( $I_N$ )	3 A
Nominal current at 80°C ( $I_N$ )	6 A for 240 ms
Total lightning impulse current (10/350 $\mu$ s)	0.5 kA
Lightning impulse current (10/350 $\mu$ s) per line	0.25 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	6 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	3 kA
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 1100$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 1100$ V
Series resistance per line	0 ohm(s)
Cut-off frequency line-PG at 100 ohms ( $f_c$ )	200 MHz
Capacitance line-line (C)	$\leq 10$ pF
Capacitance line-PG (C)	$\leq 18$ pF
Operating temperature range ( $T_U$ )	-40°C to +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	EAC, SIL
Weight	36 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364466524
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.