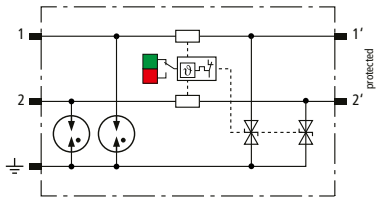
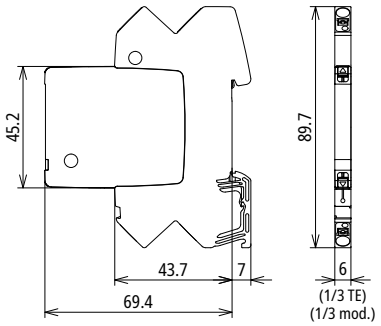
BCO ML2 BE 180 (927 227)

- LifeCheck arrester monitoring and integrated status indication
- Modular two-pole arrester for optimal protection of two single lines
- 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 two single lines sharing a common reference potential as well as unbalanced interfaces. With signal disconnection for maintenance purposes.

Type	**BCO ML2 BE 180**
Part No.	**927 227**
Standards	
Certification	UL
UL Standard	UL 497b
UL File Number	E156818
Test values according to UL 497b	
Type (SPD classification)	BCO ML2 BE 180
Strike voltage Line to Ground 100 V/s min.	368 V
Strike voltage Line to Ground 100 V/s max.	442 V
Strike voltage Line to Line 100 V/s min.	184 V
Strike voltage Line to Line 100 V/s max.	221 V
Technical data	
SPD class	TYPE 1 P1
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	180 V
Max. continuous operating voltage DC (U_C)	180 V
Max. continuous operating a.c. voltage (U_C)	127 V
Nominal current at 70 °C (I_L)	0.5 A
Nominal current at 40°C (I_L)	0.75 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)	≤ 630 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 450 V
Voltage protection level line-line for I_n C1 (U_P)	≤ 630 V
Voltage protection level line-PG for I_n C1 (U_P)	≤ 450 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 460 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 230 V
Series resistance per line	1.8 Ohm
Cut-off frequency line-line (f_G)	10 MHz
Capacitance line-line (C)	≤ 250 pF
Capacitance line-PG (C)	≤ 450 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 mm²
Cross-sectional area, flexible	0.2-2.5 mm²

Technical data	
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 497B, SIL
SIL classification	up to SIL3 *)
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)	≤ 230 V

Masterdata	
Net weight	34.15 g/pc(s)
GTIN	4013364468658
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

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