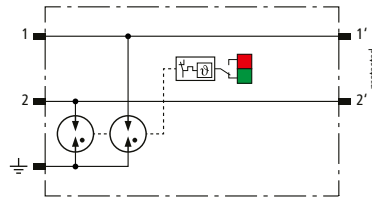
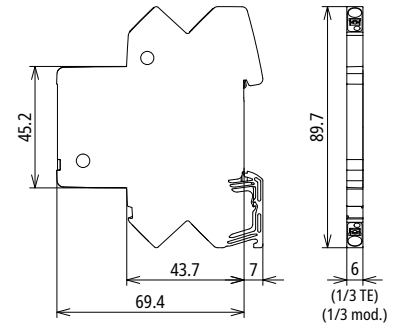


BCO CL2 B 180 (927 910)

- LifeCheck arrester monitoring and integrated status indication
- Compact 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



Basic circuit diagram



Dimension drawing

Space-saving, compact 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.

Type	BCO CL2 B 180
Part No.	927 910
Technical data	
SPD class	TYPE 1
Impulse category	D1, C2, C3
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 (I_N)	1.2 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)	≤ 1100 V
Voltage protection level line-PG for I_N C2 (U_p)	≤ 800 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 950 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 700 V
Series resistance per line	0 Ohm
Cut-off frequency line-line at 100 ohms (f_c)	150 MHz
Capacitance line-line (C)	≤ 10 pF
Capacitance line-PG (C)	≤ 13 pF
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input / output)	push-in / push-in
Cross-sectional area, solid	0.2-2.5 mm ²
Cross-sectional area, flexible	0.2-2.5 mm ²
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, CSA, ATEX, IECEx, CCC, SIL
SIL classification	up to SIL3 ^{*)}
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 μ s) [1/2 - PG], [1+2 - PG]	10 kA (10x)

Extended technical data

Voltage protection level line-PG at 1 kV/μs C3 after being subjected to $I_{\max}$ (U_p) ≤ 700 V

Standards

Certification	UL
UL Standard	UL 497b
UL File Number	E156818

Test values according to UL 497b

Type (SPD classification)	BCO CL2 B 180
Strike voltage Line to Ground 100 V/s min.	260 V
Strike voltage Line to Ground 100 V/s max.	552 V
Strike voltage Line to Line 100 V/s min.	184 V
Strike voltage Line to Line 100 V/s max.	285 V

Masterdata

Net weight	33.38 g/pc(s)
GTIN	4013364411739
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