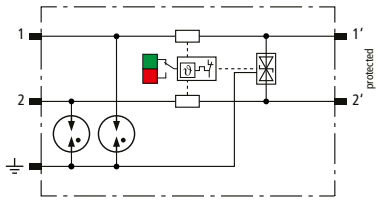
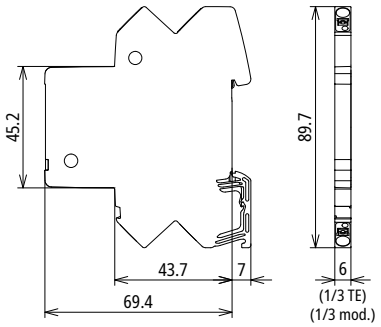
BCO CL2 BE HF 5 (927 970)

- LifeCheck arrester monitoring and integrated status indication
- Compact two-pole arrester for optimal protection of two single lines of high-frequency signal circuits
- 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, combined arrester with a width of 6 mm and push-in connection technology with status indication for protecting two single lines of high-frequency transmissions sharing a common reference potential as well as unbalanced interfaces.

Type	**BCO CL2 BE HF 5**
Part No.	**927 970**
Standards	
Certification	UL
UL Standard	UL 497b
UL File Number	E156818
Test values according to UL 497b	
Type (SPD classification)	BCO CL2 BE HF 5
Strike voltage Line to Ground 100 V/s min.	20,6 V
Strike voltage Line to Ground 100 V/s max.	23,6 V
Strike voltage Line to Line 100 V/s min.	10,3 V
Strike voltage Line to Line 100 V/s max.	11,8 V
Technical data	
SPD class	TYPE 1 P1
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	5 V
Max. continuous operating voltage DC (U_C)	8.5 V
Max. continuous operating a.c. voltage (U_C)	6.0 V
Nominal current at 70 °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)	≤ 50 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 70 V
Voltage protection level line-line for I_n C1 (U_P)	≤ 50 V
Voltage protection level line-PG for I_n C1 (U_P)	≤ 70 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 15 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 15 V
Series resistance per line	1 Ohm
Cut-off frequency line-PG (f_G)	100 MHz
Capacitance line-line (C)	≤ 20 pF
Capacitance line-PG (C)	≤ 23 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 mm²
Cross-sectional area, flexible	0.2-2.5 mm²

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: Tested • NEW: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

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, 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	
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)	≤ 15 V

Masterdata	
Net weight	33.38 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364411982
PU	1 pc(s)

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

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