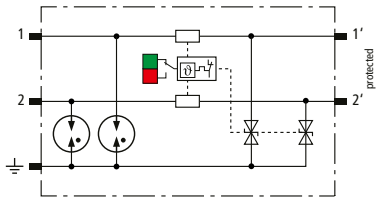
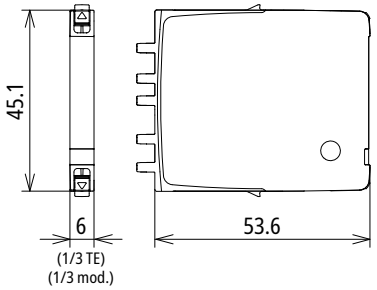
BCO MOD ML2 BE 48 (927 025)

- LifeCheck arrester monitoring and integrated status indication
- Two-pole protection module 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

Protection module with a width of 6 mm for BLITZDUCTORconnect combined arrester with status inidication for protecting two single lines sharing a common reference potential as well as unbalanced interfaces.

Type	**BCO MOD ML2 BE 48**
Part No.	**927 025**
Technical data	
SPD class	TYPE 1 P1
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	48 V
Max. continuous operating voltage DC (U_C)	54 V
Max. continuous operating a.c. voltage (U_C)	38.1 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)	≤ 140 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 90 V
Voltage protection level line-line for I_n C1 (U_p)	≤ 140 V
Voltage protection level line-PG for I_n C1 (U_p)	≤ 90 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 130 V
Voltage protection level line-PG at 1 kV/µs C3 (U_p)	≤ 68 V
Series resistance per line	1 Ohm
Cut-off frequency line-line (f_G)	5 MHz
Capacitance line-line (C)	≤ 1 nF
Capacitance line-PG (C)	≤ 1.5 nF
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Degree of protection (with plugged-in protection module)	IP 20
Pluggable into	BCO base part
Earthing via	BCO base part
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)

Extended technical data	
Voltage protection level line-PG at 1 kV/µs C3 after being subjected to I_{max} (U_p)	≤ 68 V

Masterdata	
Net weight	14.45 g/pc(s)
GTIN	4013364410145
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