

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

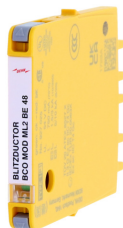
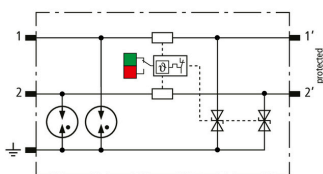
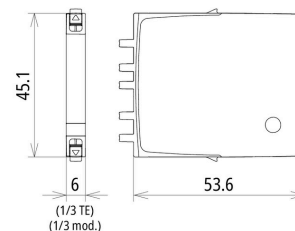


Figure without obligation



Basic circuit diagram BCO MOD ML2 BE 48



Dimension drawing BCO MOD ML2 BE 48

Protection module with a width of 6 mm for BLITZDUCTORconnect combined arrester with status indication 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
SPD class	TYPE II
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	48 V
Max. continuous operating voltage (d.c.) (U_C)	54 V
Max. continuous operating voltage (a.c.) (U_C)	38.1 V
Nominal current at 70 °C (I_N)	0.75 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)	≤ 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/ μ s C3 (U_P)	≤ 130 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_P)	≤ 68 V
Series resistance per line	1 ohm(s)
Cut-off frequency line-line (f_C)	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
Plugs 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 ¹⁾
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 μ s) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
– Discharge current (8/20 μ s) [1/2 - PG], [1+2 - PG]	10 kA (10x)
– Voltage protection level line-PG at 1 kV/ μ s C3 after being subjected to I_{max} (U_P)	≤ 68 V
Weight	14 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364410145
PU	1 pc(s)

¹⁾ For details, see: www.dehn-international.com

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.