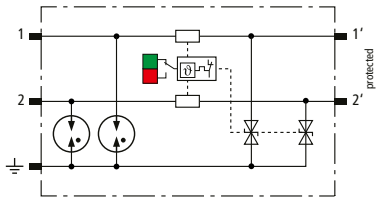
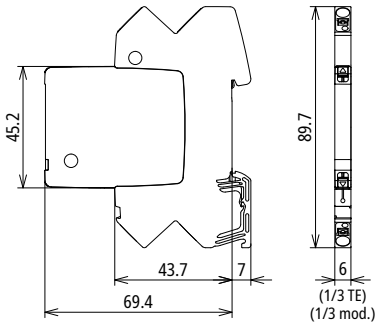
BCO ML2 BE 24 (927224)

- 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 24**
Part No.	**927224**
Standards	
Certification	UL
UL Standard	UL 497b
UL File Number	E156818
Test values according to UL 497b	
Type (SPD classification)	BCO ML2 BE 24
Strike voltage Line to Ground 100 V/s min.	73,4 V
Strike voltage Line to Ground 100 V/s max.	81,2 V
Strike voltage Line to Line 100 V/s min.	36,7 V
Strike voltage Line to Line 100 V/s max.	40,6 V
Technical data	
SPD class	TYPE 1 P1
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	24 V
Max. continuous operating voltage DC (U_C)	33 V
Max. continuous operating a.c. voltage (U_C)	23.3 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)	≤ 90 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 75 V
Voltage protection level line-line for I_n C1 (U_P)	≤ 90 V
Voltage protection level line-PG for I_n C1 (U_P)	≤ 75 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 85 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 45 V
Series resistance per line	1 Ohm
Cut-off frequency line-line (f_G)	3.4 MHz
Capacitance line-line (C)	≤ 1 nF
Capacitance line-PG (C)	≤ 2 nF
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
Earthing via	35 mm DIN rails acc. to EN 60715

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: Tested • NEU: 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	
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)	≤ 45 V

Masterdata	
Net weight	34.34 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364405608
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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