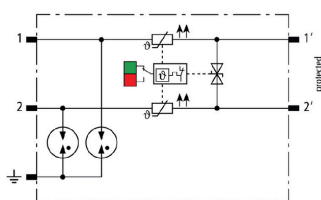


BCO ML2 BPD 24 (927 214)

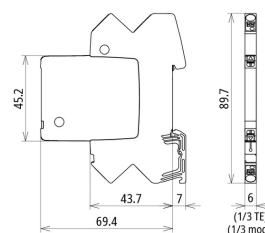
- LifeCheck arrester monitoring and integrated status indication
- For 24 V DC systems - combined with overcurrent protection
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A - 2$ and higher



Figure without obligation



Basic circuit diagram BCO ML2 BPD 24



Dimension drawing BCO ML2 BPD 24

Space-saving, modular combined arrester with a width of 6 mm and push-in connection technology with status indication for protecting one pair in 24 V DC systems. Also suitable for use with an earthed negative pole. Integrated PTC resistors allow for secure resetting of the arrester after interference in the system circuit with short-circuit currents of up to 40 A. With signal disconnection for maintenance purposes.

Type	BCO ML2 BPD 24
Part No.	927 214
SPD class	TYPE 1 P2
Impulse category	D1, C1, C2, C3, B2
Nominal voltage (U_N)	24 V
Max. continuous operating voltage (d.c.) (U_C)	33 V
Max. continuous operating voltage (a.c.) (U_C)	23.3 V
Nominal current at 70 °C (I_N)	0.1 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)	≤ 65 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 650 V
Voltage protection level line-line for I_n C1 (U_P)	≤ 65 V
Voltage protection level line-PG for I_n C1 (U_P)	≤ 650 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_P)	≤ 44 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_P)	≤ 600 V
Series resistance per line	10 ohm(s)
Cut-off frequency line-line (f_c)	4.5 MHz
Capacitance line-line (C)	≤ 1 nF
Capacitance line-PG (C)	≤ 15 pF
Operating temperature range (T_U)	-40°C to +70°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 mm ²
Cross-sectional area (fine stranded)	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, SIL
SIL classification	up to SIL3 ¹⁾
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)	≤ 600 V
Weight	33 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364473003
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.