

BCO CL2 BE 24 (927 924)

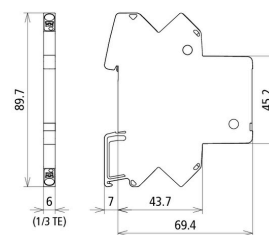
- LifeCheck arrester monitoring and integrated status indication
- Compact two-pole arrester for optimal protection of two single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A - 2$ and higher



Figure without obligation



Basic circuit diagram BCO CL2 BE 24



Dimension drawing BCO CL2 BE 12

Space-saving, compact 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.

Type	BCO CL2 BE 24
Part No.	927 924
SPD class	TYPE II PI
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)	0.75 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 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 for 1 kV/ μ s C3 (U_p)	≤ 85 V
Voltage protection level line-PG for 1 kV/ μ s (U_p)	≤ 45 V
Series resistance per line	1 ohms
Cut-off frequency line-line (f_C)	3.4 MHz
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 mm ²
Cross-sectional area, flexible	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, ATEX, IECEx, SIL
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
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)	≤ 45 V
Weight	33 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364411968
PU	1 pc(s)

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.