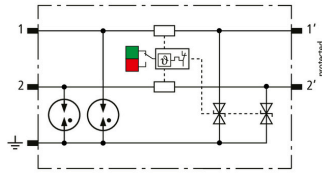


**BCO CL2 BE 12 (927 922)**

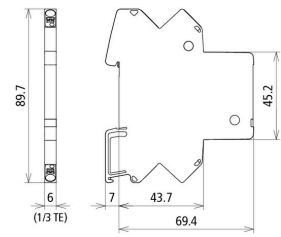
- LifeCheck arrester monitoring and integrated status indication
- Compact two-pole arrester for optimal protection of two single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A - 2$  and higher



Figure without obligation



Basic circuit diagram BCO CL2 BE 12



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 12
Part No.	927 922
SPD class	<b>TYPE 4 PI</b>
Impulse category	D1, C1, C2, C3, B2
Nominal voltage ( $U_n$ )	12 V
Max. continuous operating voltage (d.c.) ( $U_c$ )	15 V
Max. continuous operating voltage (a.c.) ( $U_c$ )	10.6 V
Nominal current at 70 °C ( $I_n$ )	0.75 A
D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	3 kA
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	1.5 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	5 kA
Voltage protection line-line for $I_n$ C2 ( $U_p$ )	$\leq 48$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 45$ V
Voltage protection level line-line for $I_n$ C1 ( $U_p$ )	$\leq 48$ V
Voltage protection level line-PG for $I_n$ C1 ( $U_p$ )	$\leq 45$ V
Voltage protection level line-line for 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 38$ V
Voltage protection level line-PG for 1 kV/ $\mu$ s ( $U_p$ )	$\leq 20$ V
Series resistance per line	1 ohms
Cut-off frequency line-line ( $f_c$ )	1.4 MHz
Capacitance line-line (C)	$\leq 2.5$ nF
Capacitance line-PG (C)	$\leq 4$ nF
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 <sup>2</sup>
Cross-sectional area, flexible	0.2-2.5 mm <sup>2</sup>
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, CSA, EAC, ATEX, IECEx, CCC, 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
China Compulsory Certification	CCC no. 2021312304001192
Extended technical data:	-----
- Max. discharge current (8/20 $\mu$ s) [1/2 - PG], [1+2 - PG] ( $I_{max}$ )	20 kA
- Discharge current (8/20 $\mu$ s) [1/2 - PG], [1+2 - PG]	10 kA (10x)
- Voltage protection level line-PG at 1 kV/ $\mu$ s C3 after being subjected to $I_{max}$ ( $U_p$ )	$\leq 20$ V
<b>Weight</b>	<b>33 g</b>
<b>Customs tariff number</b>	<b>85363010</b>
<b>GTIN</b>	<b>4013364411951</b>

# Product Data Sheet: BLITZDUCTORconnect – Compact



Type	BCO CL2 BE 12
Part No.	927 922
PU	1 Stk

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.