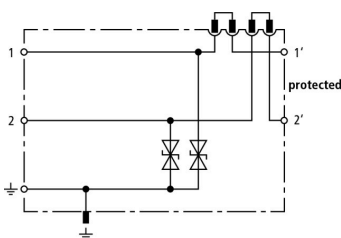


## DCO SD2 E 48 (917 989)

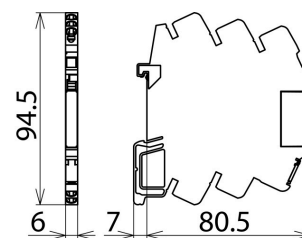
- Space-saving terminal block with integrated surge protection
- Disconnection module for disconnecting signal circuits for maintenance work
- For installation in conformity with the lightning protection zone concept at the boundaries from 1 –2 and higher



Figure without obligation



Basic circuit diagram DCO SD2 E 48



Dimension drawing DCO SD2 E 48

Finely-limiting surge protective device with disconnection function and powerful diodes to earth for two single lines sharing a common reference potential and unbalanced interfaces.

Type	DCO SD2 E 48
Part No.	917 989
SPD class	TYPE 4 Pt
Nominal voltage ( $U_N$ )	48 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	58 V
Max. continuous operating voltage (a.c.) ( $U_C$ )	41 V
Nominal current at 60 °C ( $I_N$ )	10 A
C1 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	0.3 kA
C1 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	0.15 kA
Voltage protection level line-line for $I_n$ C1 ( $U_p$ )	$\leq 180$ V
Voltage protection level line-PG for $I_n$ C1 ( $U_p$ )	$\leq 90$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 150$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 75$ V
Cut-off frequency line-PG ( $f_c$ )	8.7 MHz
Capacitance line-line (C)	$\leq 0.35$ nF
Capacitance line-PG (C)	$\leq 0.65$ nF
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input / output)	spring / spring
Cross-sectional area (solid)	0.34-2.5 mm <sup>2</sup>
Cross-sectional area (flexible)	0.34-2.5 mm <sup>2</sup>
Earthing via	DIN rail / terminal
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	UL, CSA, SIL
SIL classification	up to SIL3 <sup>*)</sup>
Weight	30 g
Customs tariff number	85363010
GTIN	4013364150669
PU	1 Stk

<sup>\*)</sup> For more detailed information, please visit [www.dehn-international.com](http://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.