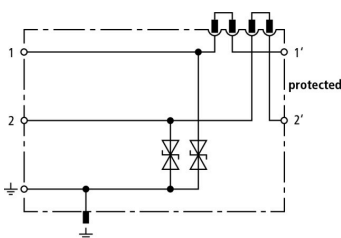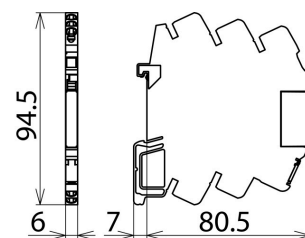# DCO SD2 E 12 (917 987)

- 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 12

Dimension drawing DCO SD2 E 12

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 12
Part No.	917 987
SPD class	TYPE 3 P1
Nominal voltage (U_N)	12 V
Max. continuous operating voltage (d.c.) (U_C)	13 V
Max. continuous operating voltage (a.c.) (U_C)	9 V
Nominal current at 60 °C (I_L)	10 A
C1 Total nominal discharge current (8/20 µs) (I_n)	0.8 kA
C1 Nominal discharge current (8/20 µs) per line (I_n)	0.4 kA
Voltage protection level line-line for I_n C1 (U_p)	≤ 50 V
Voltage protection level line-PG for I_n C1 (U_p)	≤ 25 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 36 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 18 V
Cut-off frequency line-PG (f_G)	2.3 MHz
Capacitance line-line (C)	≤ 1.3 nF
Capacitance line-PG (C)	≤ 2.5 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^2
Cross-sectional area (flexible)	0.34-2.5 mm^2
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 *)
Weight	30 g
Customs tariff number	85363010
GTIN	4013364150645
PU	1 Stk

*) For more detailed information, please visit www.dehn-international.com.

✔, : Tested NEW: New : Discontinued Model