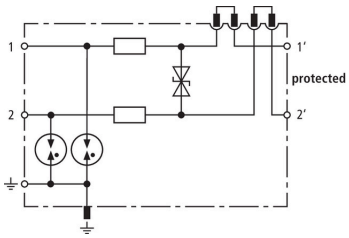
DCO SD2 MD 12 (917 940)

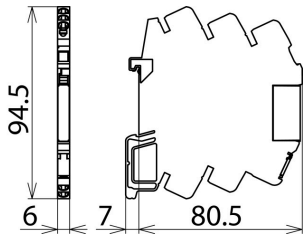
- Space-saving terminal block with integrated surge protection
- Disconnection module for disconnecting signal circuits for maintenance work
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_B –2 and higher



Figure without obligation



Basic circuit diagram DCO SD2 MD 12



Dimension drawing DCO SD2 MD 12

Energy-coordinated two-stage arrester with disconnection function that has no leakage current to earth protects one unearthed pair as well as balanced interfaces.

Type Part No.	DCO SD2 MD 12 917 940
SPD class	TYPE 2 P1
Nominal voltage (U_N)	12 V
Max. continuous operating voltage (d.c.) (U_C)	14 V
Max. continuous operating voltage (a.c.) (U_C)	9.5 V
Nominal current at 80 °C (I_L)	0.5 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 30 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 750 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 19 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 650 V
Series resistance per line	1.8 ohms
Cut-off frequency line-PG (f_G)	2.5 MHz
Capacitance line-line (C)	≤ 2.4 nF
Capacitance line-PG (C)	≤ 6 pF
Operating temperature range (T_U)	-40 °C ... +80 °C
Degree of protection	IP 00
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 (fine stranded)	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, ATEX, IECEx
SIL classification	up to SIL3 *)
ATEX approvals	DEKRA 17ATEX0046 X: II 3 G Ex ec IIC T6...T4 Gc
IECEx approvals	DEK 17.0023X: Ex ec IIC T6...T4 Gc
Extended technical data:	- - - - - - - - - - - - - - - - - - - -
– Max. discharge current (8/20 µs) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
– Voltage protection level line-PG at 1 kV/µs C3 after being subjected to I_{max} (U_p)	≤ 650 V
Weight	31 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364150591
PU	1 pc(s)

*) For more detailed information, please visit 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.