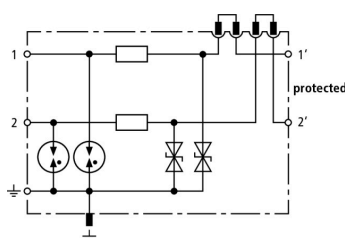


## DCO SD2 ME 12 (917 920)

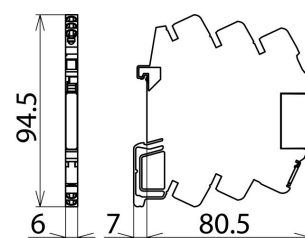
- Space-saving terminal block with integrated surge protection
- Disconnection module for disconnecting signal circuits for maintenance work
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B -2$  and higher



Figure without obligation



Basic circuit diagram DCO SD2 ME 12



Dimension drawing DCO SD2 ME 12

Energy-coordinated two-stage arrester with disconnection function for protecting two single lines sharing a common reference potential as well as unbalanced interfaces.

Type	DCO SD2 ME 12
Part No.	917 920
SPD class	<b>TYPE 2 PI</b>
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 ( $I_N$ )	0.5 A
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	1 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 level line-line for $I_n$ C2 ( $U_p$ )	$\leq 60$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 50$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 36$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 19$ V
Series resistance per line	1.8 ohms
Cut-off frequency line-PG ( $f_c$ )	2.5 MHz
Capacitance line-line (C)	$\leq 1.2$ nF
Capacitance line-PG (C)	$\leq 2.4$ nF
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 <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, EAC, ATEX, IECEx
SIL classification	up to SIL3 <sup>*)</sup>
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 $\mu$ s) [1/2 - PG], [1+2 - PG] ( $I_{max}$ )	20 kA
- Voltage protection level line-PG at 1 kV/ $\mu$ s C3 after being subjected to $I_{max}$ ( $U_p$ )	$\leq 19$ V
Weight	32 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364150560
PU	1 pc(s)

<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.