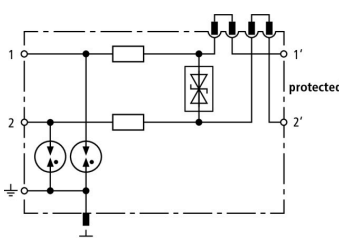


DCO SD2 MD HF 5 (917 970)

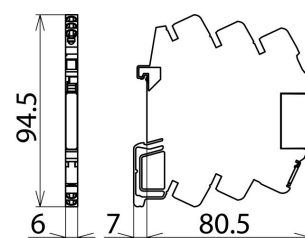
- Space-saving terminal block with integrated surge protection for bus signals
- Disconnection module for disconnecting signal circuits for maintenance work
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_B -2$ and higher



Figure without obligation



Basic circuit diagram DCO SD2 MD HF



Dimension drawing DCO SD2 MD HF

Energy-coordinated two-stage surge arrester with disconnection function for protecting balanced interfaces with extra-low voltages. Also suitable for high transmission rates due to a diode matrix with minimised capacitance. It is advisable to use SAK shield connection systems for shielded bus lines.

Type	DCO SD2 MD HF 5
Part No.	917 970
SPD class	TYPE 2 PI
Nominal voltage (U_N)	5 V
Max. continuous operating voltage (d.c.) (U_C)	8.5 V
Max. continuous operating voltage (a.c.) (U_C)	6.0 V
Nominal current at 80 °C (I_N)	0.5 A
D1 Lightning impulse current (10/350 μ s) per line (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	10 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 35 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 750 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 14 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 650 V
Series resistance per line	1.8 ohm
Cut-off frequency line-line (f_c)	100 MHz
Capacitance line-line (C)	≤ 25 pF
Capacitance line-PG (C)	≤ 10 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 (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, EAC, 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 μ s) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
– Voltage protection level line-PG at 1 kV/ μ s C3 after being subjected to I_{max} (U_p)	≤ 650 V
Weight	31 g
Customs tariff number	85363010
GTIN	4013364150621
PU	1 Stk

^{*)} 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.