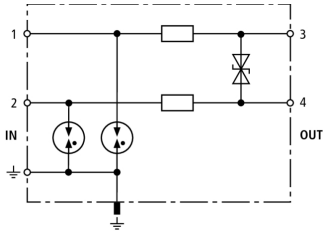
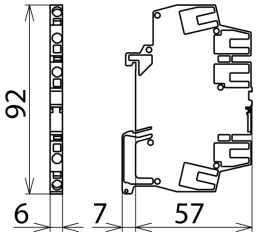
DCO RK MD 24 (919 941)

- Standard protection with terminal blocks
- Low series resistance
- 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 RK MD 24



Dimension drawing DCO RK MD 24

Energy-coordinated two-stage arrester, no leakage currents to earth, for protecting an unearthed pair as well as balanced interfaces.

Type Part No.	DCO RK MD 24 919 941
SPD class	TYPE 2 P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage (d.c.) (U_c)	33 V
Max. continuous operating voltage (a.c.) (U_c)	23 V
Nominal current (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)	≤ 50 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)	≤ 45 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-line (f_G)	6 MHz
Capacitance line-line (C)	≤ 1 nF
Capacitance line-PG (C)	≤ 5 pF
Operating temperature range (T_U)	-40 °C ... +80 °C
Degree of protection	IP 00, with cover IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input/output)	spring / spring
Cross-sectional area, solid	0.08-2.5 mm²
Cross-sectional area, flexible	0.08-2.5 mm²
Earthing via	DIN rail / terminal
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	ATEX, IECEx, GOST
SIL classification	SIL2 / 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
Weight	35 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364087835
PU	1 pc(s)

*)For more detailed information, please visit www.dehn.de/en/sil/