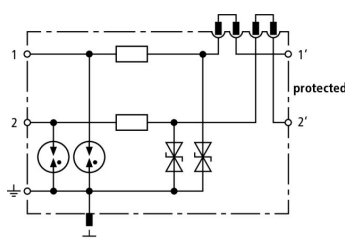


DCO SD2 ME 24 (917 921)

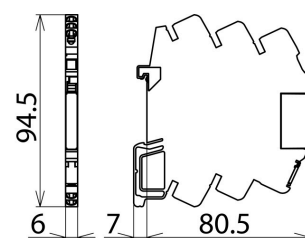
- Space-saving terminal block with integrated surge protection
- Disconnection module for disconnecting signal circuits for maintenance work
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_B -2$ and higher



Figure without obligation



Basic circuit diagram DCO SD2 ME 24



Dimension drawing DCO SD2 ME 24

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 24 |
|---|---|
| Part No. | 917 921 |
| 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 at 80 °C (I_L) | 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) | ≤ 120 V |
| Voltage protection level line-PG for I_n C2 (U_p) | ≤ 75 V |
| Voltage protection level line-line at 1 kV/ μ s C3 (U_p) | ≤ 90 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 (U_p) | ≤ 45 V |
| Series resistance per line | 1.8 ohms |
| Cut-off frequency line-PG (f_c) | 6 MHz |
| Capacitance line-line (C) | ≤ 0.5 nF |
| Capacitance line-PG (C) | ≤ 1.0 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 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) | ≤ 45 V |
| Weight | 31 g |
| Customs tariff number | 85363010 |
| GTIN | 4013364150577 |
| 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.