

DM-024/1 3L DJ

SPD - for data, signalling and telecommunications lines / I&C / ST2+3 (DM) - compact

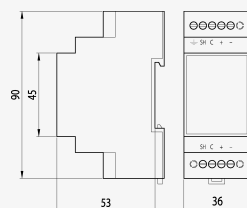
Surge protection for 3-core signalling lines

coupling impedance (L – inductance)

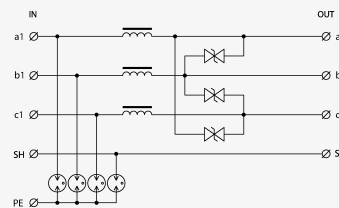
- coarse and fine surge protection for 3-core signalling lines
- installation close to protected equipment
- for protection of communication interfaces of I&C, electronic security and fire detection systems, etc. (mainly for RS-485 interfaces) against impact of surge voltage
- coarse and fine surge protection in differential mode (core – core) and coarse protection in common mode (core – PE)



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value |
|--|--------------------|
| Type of SPD | C2,C3 |
| Location of SPD | ST 2+3 |
| Mounting | DIN rail 35 mm |
| Nominal voltage | U_n 24 V DC |
| Maximum operating voltage | U_c 20.60 V AC |
| Maximum operating voltage | U_c 29.10 V DC |
| Nominal load current | I_L 0.370 A |
| Threshold frequency core-core | f 0.16 MHz |
| Serial inductance per core | L 100.00 μ H |
| C2 nominal discharge current (8/20 μ s) per core | I_n 10.00 kA |
| C2 voltage protection level mode core-PE at I_n | U_p 350 V |

| | | |
|---|-------|---|
| C2 voltage protection level mode core-core at In | U_p | 50 V |
| C3 voltage protection level mode core-PE at 1 kV/ μ s | U_p | 650 V |
| C3 voltage protection level mode core-core at 1 kV/ μ s | U_p | 40 V |
| Response time core-core | t_a | 1 ns |
| Response time core-PE | t_a | 100 ns |
| Connection (input - output) | | terminals-terminals |
| Cross-section of connected conductors solid (max) | | 4.00 mm ² |
| Cross-section of connected conductors stranded (max) | | 2.50 mm ² |
| Degree of protection | | IP 20 |
| Range of ambient temperatures (min/max) | | -40 / 80 °C |
| According to standard | | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| ETIM Class | | EC001625 |
| Customs tariff number | | 85363010 |
| EAN | | 8595090515197 |
| Order number | | A01519 |