

DMG-024-V/1-4FR1-DIF

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

Surge protection in differential mode for max. 4-core signalling lines

pluggable module, coupling impedance (R – resistance), shielding (G) separated from protective earth via GDT

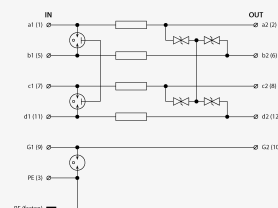
- coarse and fine surge protection for max. 4-core signalling lines
- installation close to protected equipment
- for protection of communication interfaces of I <(>&<)>C, electronic security and fire detection systems, etc. (mainly for RS-485 interfaces) against impact of surge voltage
- coarse and fine surge protection only in differential mode (core – core)



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value |
|--|-------------------|
| Type of SPD | C2 |
| Location of SPD | ST 2+3 |
| Mounting | DIN rail 35 mm |
| Nominal voltage | U_n 24.00 V DC |
| Maximum operating voltage | U_c 25.00 V AC |
| Maximum operating voltage | U_c 36.00 V DC |
| Nominal load current | I_L 1.000 A |
| Treshold frequency core-core | f 6.00 MHz |
| Serial resistance per core | R 0.80 Ω |
| C2 nominal discharge current (8/20 μ s) GND-PE | I_n 10.00 kA |
| C2 nominal discharge current (8/20 μ s) per core | I_n 10.00 kA |

| | | |
|---|-------|---|
| C3 voltage protection level mode GND-PE at 1 kV/ μ s | U_p | 550.00 V |
| C3 voltage protection level mode core-core at 1 kV/ μ s | U_p | 46.00 V |
| Response time core-core | t_a | 1 ns |
| Response time GND-PE | t_a | 100 ns |
| Connection (input - output) | | terminals-terminals |
| Cross-section of connected conductors solid (min) | | 0.14 mm ² |
| Cross-section of connected conductors solid (max) | | 4.00 mm ² |
| Cross-section of connected conductors stranded (min) | | 0.14 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 / 70 °C |
| According to standard | | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| ETIM Class | | EC001625 |
| Customs tariff number | | 85363010 |
| EAN | | 8595090562818 |
| Order number | | A06281 |