

DMP-024-V/1-FR1

SPD - for data, signalling and telecommunications lines / I&C / Supply (DP and DMP) - with signalling line

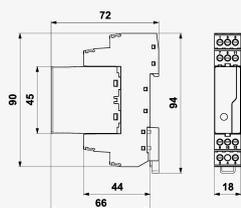
Combination of surge protections for signal and supply lines

pluggable module, coupling impedance (R – resistance) in part of data, line separated from protective earth via GDT

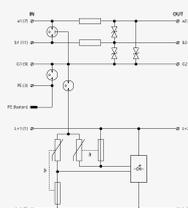
- combination of two-stage surge protection of 2-core signalling line in data part and surge protection for ELV in supply part
- installation close to protected equipment
- for protection of interfaces of I&C, electronic security and fire detection systems, etc., mainly for measuring circuits and sensors where signal and supply are transmitted in one cable, against surge voltage



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value |
|--|---|
| 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 |
| Fault indication | red indicator |
| Degree of protection | IP 20 |
| Range of ambient temperatures (min/max) | -40 / 70 °C |
| Humidity | 5 - 95 % |
| According to standard | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| ETIM Class | EC001473 |

| | | |
|--|-------------|---------------------------------|
| Plug module | | DMP-024-V/1-0 |
| Nominal voltage | U_n | 24.00 V AC |
| Maximum operating voltage | U_c | 25.00 V AC |
| Maximum operating voltage | U_c | 36.00 V DC |
| Nominal load current | I_L | 16.000 A |
| Maximum overcurrent protection | | 16 A gL/gG nebo B 16 A |
| C2 nominal discharge current (8/20 μ s) core-core | I_n | 2.00 kA |
| Test voltage L+ - L- | | 4.0 kV |
| Test voltage L+(L-)-PE | | 4.0 kV |
| Test voltage M-PE | | 4.0 kV |
| voltage protection level L+ - L- | | 0.13 kV |
| voltage protection level L+(L-)-PE | | 0.95 kV |
| voltage protection level M-PE | | 0.75 kV |
| C2 voltage protection level mode M-PE at I_n | | 750.00 V |
| C2 voltage protection level mode core-PE at I_n | U_p | 950.00 V |
| C2 voltage protection level mode core-core at I_n | U_p | 230.00 V |
| Response time L+ - L- | | 25 ns |
| Response time L+(L-)-PE | | 100 ns |
| Response time M-PE | | 100 ns |
| 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 |
| Threshold frequency core-core | f | 4.00 MHz |
| Serial resistance per core | R | 0.80 Ω |
| C2 nominal discharge current (8/20 μ s) GND-PE | | 10.00 kA |
| C2 nominal discharge current (8/20 μ s) per core | I_n | 10.00 kA |
| C2 total discharge current (8/20 μ s) cores-PE | I_{Total} | 20.00 kA |
| C3 nominal discharge current (10/1000 μ s) GND-PE | | 10.00 A |
| C3 nominal discharge current (10/1000 μ s) core-PE | | 10.00 A |
| C3 nominal discharge current (10/1000 μ s) core-core | I_n | 10.00 A |

| | | |
|---|----------------------|----------------------|
| C3 voltage protection level mode GND-PE at 1 kV/ μ s | | 550.00 V |
| C3 voltage protection level mode core-GND at 1 kV/ μ s | | 46.00 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 core-GND | | 1 ns |
| Response time GND-PE | | 100 ns |
| Customs tariff number | | 85363010 |
| EAN | | 8595090557999 |
| Order number | | A05799 |