# DP-048-V/1-F16

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

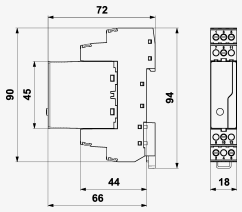
Surge protection for small-voltage AC/DC power supply networks

pluggable module, visual fault signalling, middle conductor separated from protective earth via GDT

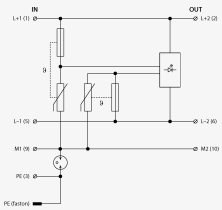
- surge protection for all types of LV electric and electronic equipments against surge voltage
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



**Product dimensions**




**Basic circuit diagram**




| Parameter name | | Parameter value |
|---|---|---|
| Type of SPD | | T3, C2 |
| Location of SPD | | ST 2 |
| Mounting | | DIN rail 35 mm |
| Nominal voltage | $U_n$ | 48.00 V AC |
| Maximum operating voltage | $U_c$ | 60.00 V AC |
| Maximum operating voltage | $U_c$ | 60.00 V DC |
| Nominal load current | $I_L$ | 16.000 A |
| Maximum overcurrent protection | | 16 A gL/gG or B 16 A |
| C2 nominal discharge current (8/20 µs) per 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- | | 0.37 kV |
| voltage protection level L+(L-)-PE | | 0.75 kV |
| voltage protection level M-PE | | 0.75 kV |

| | | |
|---|---|---|
| C2 voltage protection level mode core-PE at In | | **750.00 V** |
| C2 voltage protection level mode core-PE at In | $U_p$ | **750.00 V** |
| C2 voltage protection level mode core-core at In | $U_p$ | **370.00 V** |
| Response time L+ - L- | | **25 ns** |
| Response time L+(L-)-PE | | **100 ns** |
| Response time M-PE | | **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 $mm^2$** |
| 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, EN 61643-11:2012, IEC 61643-11:2011** |
| ETIM Class | | **EC000942** |
| Plug module | | **DP-048-V/1-0** |
| Customs tariff number | | **85363030** |
| EAN | | **8595090556664** |
| Order number | | **A05666** |