# DPF-012DC-16-S

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

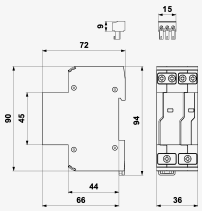
Surge protection for small-voltage AC/DC power supply networks with RFi filter

visual and remote fault signalling

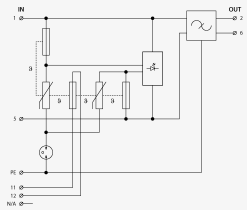
- surge protection with integrated RFi filter
- installation to LV installations, close to protected equipment
- for protection of control systems, electronic security and fire systems against impact of transient overvoltage and RF disturbance
- for AC or DC power supply



**Product dimensions**




**Basic circuit diagram**




| Parameter name | | Parameter value |
|---|---|---|
| Type of SPD | | T3 |
| VF filter | | yes |
| Mounting | | DIN rail 35 mm |
| Nominal voltage | $U_n$ | 12.00 V AC |
| Maximum operating voltage | $U_c$ | 20.00 V AC |
| Maximum operating voltage | $U_c$ | 20.00 V DC |
| Nominal load current | $I_L$ | 16.000 A |
| Maximum overcurrent protection | | 16 A gL/gG or C 16 A |
| Filter attenuation at 1 MHz (50 Ω/50 Ω) symmetrical | | 45 dB |
| Filter attenuation at 1 MHz (50 Ω/50 Ω) unsymmetrical | | 30 dB |
| Test voltage L+ - L- | | 4.0 kV |
| Test voltage L+(L-)-PE | | 4.0 kV |
| voltage protection level L+ - L- | | 0.25 kV |
| voltage protection level L+(L-)-PE | | 0.50 kV |
| Response time L+ - L- | | 25 ns |

| | |
|---|---|
| Response time L+(L-)-PE | **100 ns** |
| Connection (input - output) | **terminals-terminals** |
| Cross-section of connected conductors solid (max) | **6.00 $mm^2$** |
| Cross-section of connected conductors stranded (max) | **6.00 $mm^2$** |
| Fault indication | **red indicator** |
| Degree of protection | **IP 20** |
| Range of ambient temperatures (min/max) | **-40 / 80 °C** |
| Humidity | **5 - 95 %** |
| According to standard | **EN 61643-11:2012, IEC 61643-11:2011** |
| ETIM Class | **EC000942** |
| Customs tariff number | **85363010** |
| EAN | **8595090566649** |
| Order number | **A06664** |