

# DPF-012DC-16

**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 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		<b>T3</b>
VF filter		<b>yes</b>
Mounting		<b>DIN rail 35 mm</b>
Nominal voltage	<b><math>U_n</math></b>	<b>12 V AC</b>
Maximum operating voltage	<b><math>U_c</math></b>	<b>20.00 V AC</b>
Maximum operating voltage	<b><math>U_c</math></b>	<b>20.00 V DC</b>
Nominal load current	<b><math>I_L</math></b>	<b>16.000 A</b>
Maximum overcurrent protection		<b>16 A gL/gG or C 16 A</b>
Filter attenuation at 1MHz (50 $\Omega$ /50 $\Omega$ ) symmetrical		<b>45 dB</b>
Filter attenuation at 1MHz (50 $\Omega$ //50 $\Omega$ ) unsymmetrical		<b>30 dB</b>
Test voltage L+ - L-		<b>4.0 kV</b>
Test voltage L+(L-)-PE		<b>4.0 kV</b>
voltage protection level L+ - L-		<b>0.25 kV</b>
voltage protection level L+(L-)-PE		<b>0.50 kV</b>
Response time L+ - L-		<b>25 ns</b>

Response time L+(L-)-PE	<b>100 ns</b>
Connection (input - output)	<b>terminals-terminals</b>
Cross-section of connected conductors solid (max)	<b>6.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (max)	<b>6.00 mm<sup>2</sup></b>
Fault indication	<b>red indicator</b>
Degree of protection	<b>IP 20</b>
Range of ambient temperatures (min/max)	<b>-40 / 80 °C</b>
Humidity	<b>5 - 95 %</b>
According to standard	<b>EN 61643-11:2012, IEC 61643-11:2011</b>
ETIM Class	<b>EC000942</b>
Customs tariff number	<b>85363010</b>
EAN	<b>8595090566359</b>
Order number	<b>A06635</b>

SALTEK s.r.o., Drážďanská 561/85, 400 07 Ústí nad Labem, CZ | +420 475 655 511 | [info@saltek.cz](mailto:info@saltek.cz) | [www.saltek.eu](http://www.saltek.eu)  
 Technická podpora: 800 818 818 | [podpora@saltek.cz](mailto:podpora@saltek.cz)

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