

# DP-024-25

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

Surge protection for ELV of AC/DC power supply networks

visual fault singalling

- surge protection for all types of LV electric and electronic equipments against surge voltage
- installation to ELV 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
Location of SPD	ST 2
Mounting	DIN rail 35 mm
Nominal voltage	$U_n$ 24.00 V AC
Maximum operating voltage	$U_c$ 36.00 V AC
Maximum operating voltage	$U_c$ 36.00 V DC
Nominal load current	$I_L$ 25.000 A
Maximum overcurrent protection	25 A gL/gG or C 25 A
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$ 2.00 kA
Test voltage L+ - L-	4.0 kV
Test voltage L+(L-)-PE	4.0 kV
voltage protection level L+ - L-	0.23 kV
voltage protection level L+(L-)-PE	0.55 kV
C2 voltage protection level mode core-PE at $I_n$	$U_p$ 550.00 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	<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>85363030</b>
EAN	<b>8595090560975</b>
Order number	<b>A06097</b>