

# DL-1G-60V-POE

## SPD - for data, signalling and telecommunications lines / ICT / Ethernet and PoE - compact

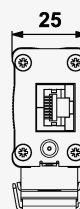
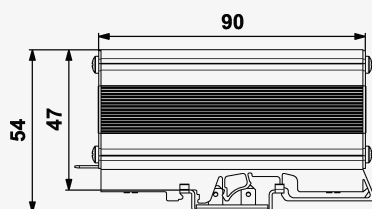
SPD for general structured cabling networks (Ethernet up to Cat.6)

for general structured cabling networks

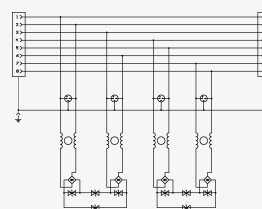
- combined (2-stage) SPD for general structured cabling networks
- LPZ 0 to LPZ 1 boundary installation
- to protect devices working with signals over twisted pairs up to 60 V



Product dimensions



Basic circuit diagram



| Parameter name                                                       |             | Parameter value             |
|----------------------------------------------------------------------|-------------|-----------------------------|
| Type of SPD                                                          |             | D1,C2,C3                    |
| Location of SPD                                                      |             | ST 1+2+3                    |
| Mounting                                                             |             | DIN rail 35 mm              |
| Maximum operating voltage core-core                                  | $U_c$       | 60,00 V DC                  |
| Maximum operating voltage pair-pair (POE)                            | $U_c$       | 60,00 V DC                  |
| Nominal load current per core at 25 °C                               | $I_L$       | 0.5 A                       |
| Treshold frequency core-core                                         | $f$         | 250.00 MHz                  |
| Insertion attenuation at treshold frequency                          |             | 1.50 dB                     |
| C2 nominal discharge current (8/20 $\mu$ s) core-core                | $I_n$       | 0.15 kA                     |
| D1 total discharge current (10/350 $\mu$ s) cores-PE                 | $I_{Total}$ | 2.00 kA                     |
| C2 total discharge current (8/20 $\mu$ s) cores-PE                   | $I_{Total}$ | 10.00 kA                    |
| C2 voltage protection level mode core-core (@ $U_{oc}/I_n$ )         | $U_p$       | 120,00 V (0,3 kV / 0,15 kA) |
| C2 voltage protection level mode core-PE (@ $U_{oc}/I_n$ )           | $U_p$       | 700,00 V (2,5 kV / 1,25 kA) |
| C2 voltage protection level mode pair-pair (POE) (@ $U_{oc}/I_n$ )   | $U_p$       | 90,00 V (0,3 kV / 0,15 kA)  |
| C3 voltage protection level mode core-core (@ $I_n$ - 1 kV/ $\mu$ s) | $U_p$       | 110,00 V (10 A)             |

|                                                                        |                      |                                                        |
|------------------------------------------------------------------------|----------------------|--------------------------------------------------------|
| C3 voltage protection level mode core-PE (@In - 1 kV/ $\mu$ s)         | <b>U<sub>p</sub></b> | <b>500,00 V (10 A)</b>                                 |
| C3 voltage protection level mode pair-pair (POE) (@In - 1 kV/ $\mu$ s) | <b>U<sub>p</sub></b> | <b>85,00 V (10 A)</b>                                  |
| Response time core-core                                                | <b>t<sub>a</sub></b> | <b>1 ns</b>                                            |
| Response time core-PE                                                  | <b>t<sub>a</sub></b> | <b>100 ns</b>                                          |
| Connection (input - output)                                            |                      | <b>RJ 45/RJ 45</b>                                     |
| Degree of protection                                                   |                      | <b>IP 30 (without connectors IP 10)</b>                |
| Range of ambient temperatures (min/max)                                |                      | <b>-10 / 50 °C</b>                                     |
| Humidity                                                               |                      | <b>15 - 85 %</b>                                       |
| According to standard                                                  |                      | <b>EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012</b> |
| ETIM Class                                                             |                      | <b>EC000943</b>                                        |
| Customs tariff number                                                  |                      | <b>85363010</b>                                        |
| EAN                                                                    |                      | <b>8595090570691</b>                                   |
| Order number                                                           |                      | <b>A07069</b>                                          |