# DL-1G-POE-INJECTOR

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

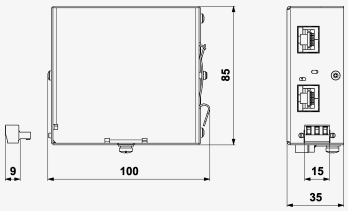
SPD for Ethernet 1 Gbite/s (Cat.6) with PoE

RJ45 + SV connectors

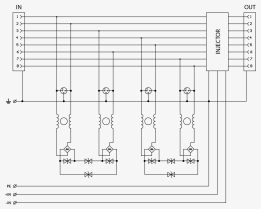
- two-stage surge protection device for Ethernet protection, combined with PoE protection including the injector
- installed at the entry point into the building object, near the equipment to be protected, at the interface of the LPZ 0 and LPZ 1 and higher zones
- for use in Ethernet Cat. 6 lines with PoE (Power over Ethernet), operating in A and B modes, to protect them from peak overvoltages



**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 | $U_c$ | 8.50 V DC |
| Maximum operating voltage POE | $U_c$ | 58.00 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 treshhold frequency | | 1.20 dB |
| D1 total discharge current (10/350 µs) cores-PE | $I_{Total}$ | 2.00 kA |
| C2 nominal discharge current (8/20 µs) per core | $I_n$ | 0.15 kA |
| C2 total discharge current (8/20 µs) cores-PE | $I_{Total}$ | 10.00 kA |
| C2 voltage protection level mode (POE) at In = 1,25 kA | $U_c$ | 90.00 V |
| C2 voltage protection level mode core-PE at In = 1,25 kA | $U_p$ | 700.00 V |

| | | |
|---|---|---|
| C2 voltage protection level mode core-core at In | $U_p$ | 70.00 V |
| C3 voltage protection level mode (POE) at 1 kV/µs | $U_p$ | 80.00 V |
| C3 voltage protection level mode core-PE at 1 kV/µs | $U_p$ | 500.00 V |
| C3 voltage protection level mode core-core at 1 kV/µs | $U_p$ | 80.00 V |
| Response time core-core | $t_a$ | 1 ns |
| Response time core-PE | $t_a$ | 100 ns |
| Connection (input - output) | | RJ 45/RJ 45 |
| Degree of protection | | IP 30 (without connectors IP 10) |
| Range of ambient temperatures (min/max) | | -25 / 50 °C |
| Humidity | | 15 - 85 % |
| According to standard | | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| Customs tariff number | | 85363030 |
| EAN | | 8595090566205 |
| Order number | | A06620 |