

DL-1G-60V-POE-M

SPD - for data, signalling and telecommunications lines / ICT / Ethernet and PoE - for 19" RACK

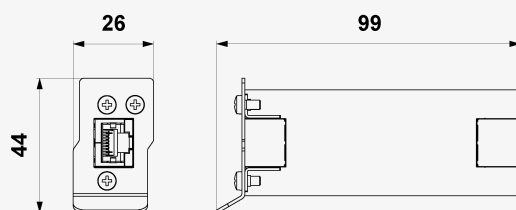
SPD for general structured cabling networks (Ethernet up to Cat.6)

for general structured cabling networks

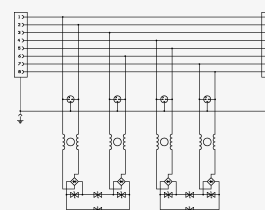
- combination of coarse and fine protection of Ethernet line with PoE and structured cabling networks with signals with amplitudes up to 60 V
- installation at the entry of the line into building or close to the protected equipment, at the boundary of LPZ 0 a LPZ 1 or higher
- for protection of Ethernet line with PoE, IP telephony, KNX, DMX, RS-485, signalling loops and other signals over twisted pairs against surge voltage
- suitable for all PoE types - PoE/PoE+/PoE++ (IEEE 802.3 af/at/bt)
- installation into DL-PL-RACK-1U box



Product dimensions



Basic circuit diagram



| Parameter name | | Parameter value |
|--------------------------------------------------------------|-------------|-----------------------------|
| Type of SPD | | D1,C2,C3 |
| Location of SPD | | ST 1+2+3 |
| Mounting | | DL-PL-RACK-1U |
| 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 μ s) core-core | I_n | 0.15 kA |
| D1 total discharge current (10/350 μ s) cores-PE | I_{Total} | 2.00 kA |
| C2 total discharge current (8/20 μ 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 (@Uoc/In) | U_p | 700,00 V (2,5 kV / 1,25 kA) |
| C2 voltage protection level mode pair-pair (POE) (@Uoc/In) | U_p | 90,00 V (0,3 kV / 0,15 kA) |
| C3 voltage protection level mode core-core (@In - 1 kV/ μ s) | U_p | 110,00 V (10 A) |
| C3 voltage protection level mode core-PE (@In - 1 kV/ μ s) | U_p | 500,00 V (10 A) |
| C3 voltage protection level mode pair-pair (POE) (@In - 1 kV/ μ s) | U_p | 85,00 V (10 A) |
| 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 |
| ETIM Class | | EC000943 |
| Customs tariff number | | 85363010 |
| EAN | | 8595090570851 |
| Order number | | A07085 |