

DL-Cat.6A-60V-M

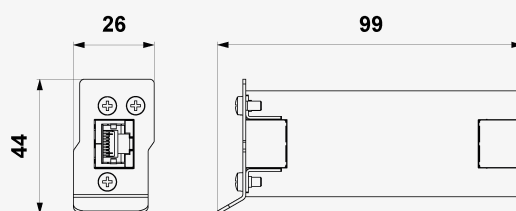
SPD - for data, signalling and telecommunications lines / ICT / Ethernet and PoE - for 19" RACK

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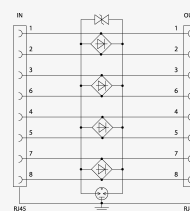
- fine surge protection of Ethernet line with PoE and structured cabling networks with signals with amplitudes up to 60 V
- suitable for all PoE types - PoE/PoE+/PoE++ (IEEE 802.3 af/at/bt)
- DL-...-m-R with rear output
- installation at the entry of the line into building or close to the protected equipment,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



Product dimensions



Basic circuit diagram



| Parameter name | | Parameter value |
|---|-------------|-----------------|
| Type of SPD | | C2,C3 |
| Location of SPD | | ST 2+3 |
| Mounting | | DL-PL-RACK-1U |
| Maximum operating voltage core-core | U_c | 60 V DC |
| Maximum operating voltage pair-pair (POE) | U_c | 60 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 | | 2.90 dB |
| C2 nominal discharge current (8/20 μ s) core-core | I_n | 0.20 kA |
| C2 nominal discharge current (8/20 μ s) per core | I_n | 0.20 kA |
| C2 total discharge current (8/20 μ s) cores-PE | I_{Total} | 1.60 kA |

| | | |
|--|-------|---|
| C2 voltage protection level mode core-core (@Uoc/In) | U_p | 130,00 V (0,4 kV / 0,2 kA) |
| C2 voltage protection level mode core-PE (@Uoc/In) | U_p | 400,00 V (0,4 kV / 0,2 kA) |
| C2 voltage protection level mode pair-pair (POE) (@Uoc/In) | U_p | 130,00 V (0,4 kV / 0,2 kA) |
| C3 voltage protection level mode core-core (@In - 1 kV/ μ s) | U_p | 130,00 V (10 A) |
| C3 voltage protection level mode core-PE (@In - 1 kV/ μ s) | U_p | 600,00 V (10 A) |
| C3 voltage protection level mode pair-pair (POE) (@In - 1 kV/ μ s) | U_p | 130,00 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) | | -10 / 50 °C |
| Humidity | | 15 - 85 % |
| According to standard | | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| Customs tariff number | | 85363010 |
| EAN | | 8595090542100 |
| Order number | | A04210 |