

# DL-Cat.6A-R-M

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

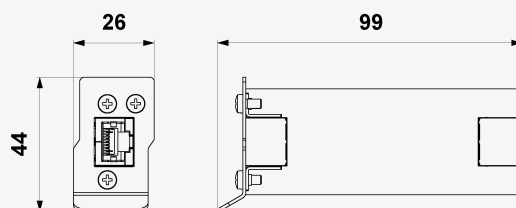
SPD for high-speed Ethernet networks (up to Cat.6A) without PoE

LPZ 1 and higher, Ethernet without PoE

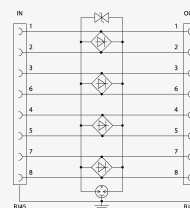
- fine surge protection
- installation at protected device inside LPZ1 and higher (not suitable for LPZ 0)
- for protection of Ethernet networks (up to Cat.6A) without PoE
- installation into DL-PL-RACK-1U box
- DL-...-M with front output
- DL-...-R-M with rear output
- not applicable for Ethernet with PoE



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                            | $U_c$       | 6.00 V AC       |
| Maximum operating voltage                            | $U_c$       | 8.50 V DC       |
| Maximum operating voltage POE                        | $U_c$       | 6.00 V AC       |
| Maximum operating voltage POE                        | $U_c$       | 8.50 V DC       |
| Nominal load current per core at 25 °C               | $I_L$       | 0.5 A           |
| Treshold frequency core-core                         | $f$         | 500.00 MHz      |
| Insertion attenuation at treshold frequency          |             | 2.90 dB         |
| C2 nominal discharge current (8/20 $\mu$ s) per core | $I_n$       | 0.20 kA         |
| C2 total discharge current (8/20 $\mu$ s) cores-PE   | $I_{Total}$ | 1.60 kA         |
| C2 voltage protection level mode (POE) at $I_n$      | $U_p$       | 55.00 V         |

|   |       |   |
|---|-------|---|
| C2 voltage protection level mode core-PE at In              | $U_p$ | 400 V   |
| C2 voltage protection level mode core-core at In            | $U_p$ | 55 V  |
| C3 voltage protection level mode (POE) at 1 kV/ $\mu$ s     |       | 30.00 V   |
| C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s   | $U_p$ | 600 V   |
| C3 voltage protection level mode core-core at 1 kV/ $\mu$ s | $U_p$ | 30 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 20   |
| Range of ambient temperatures (min/max)                     |       | -40 / 80 °C                                     |
| Humidity  |       | 5 - 95 %  |
| According to standard                                       |       | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| Customs tariff number                                       |       | 85363010  |
| EAN   |       | 8595090541844                                   |
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