

# DL-Cat.6A

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

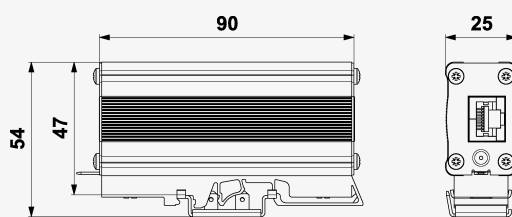
Surge protection for Ethernet without PoE

RJ45 sockets1

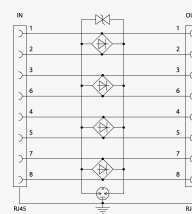
- fine surge protection of Ethernet line
- installation close to protected equipment
- for protection of Ethernet line Cat. 6A against surge voltage
- in the scope of delivery: universal plastic adapter for mounting on DIN rail and GND 2 holder



Product dimensions



Basic circuit diagram



| Parameter name                                       |             | Parameter value |
|------------------------------------------------------|-------------|-----------------|
| Type of SPD                                          |             | C2,C3           |
| Location of SPD                                      |             | ST 2+3          |
| Mounting                                             |             | DIN rail 35 mm  |
| 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           |
| Treshhold frequency core-core                        | $f$         | 500.00 MHz      |
| Insertion attenuation at treshhold 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 $I_n$    | $U_p$       | 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)                                 |       | RJ45/RJ45                                       |
| 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 |
| ETIM Class                                                  |       | EC000943                                        |
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