

# DMS-048T

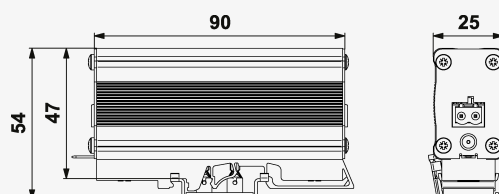
## SPD - for data, signalling and telecommunications lines / I&C / Specials - limiting current

Surge protection with voltage and current limiting  
coupling impedance (resistance)

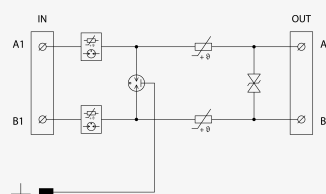
- special two-stage surge protection of 2-core signalling line with current limiting
- installation close to protected equipment
- for protection of communication interfaces, mainly the measuring loops, of I<(>&<)>C, electronic security and fire detection systems, etc. against surge voltage where are long parallel lines with power network
- coarse and fine surge protection in differential mode (core – core) and coarse surge protection in common mode (core – PE)



Product dimensions



Basic circuit diagram



| Parameter name               | Parameter value                     |
|------------------------------|-------------------------------------|
| Type of SPD                  | <b>C2</b>                           |
| Location of SPD              | <b>ST 2+3</b>                       |
| Mounting                     | <b>DIN rail 35 mm</b>               |
| Nominal voltage              | $U_n$ <b>48 V DC</b>                |
| Maximum operating voltage    | $U_c$ <b>39.00 V AC</b>             |
| Maximum operating voltage    | $U_c$ <b>56.00 V DC</b>             |
| Nominal load current         | $I_L$ <b>0.060 A</b>                |
| Treshold frequency core-core | $f$ <b>1.80 MHz</b>                 |
| Serial resistance per core   | $R$ <b>8.00 <math>\Omega</math></b> |

|  |             |   |
|--|-------------|---|
| C2 nominal discharge current (8/20 $\mu$ s) per core | $I_n$       | 5.00 kA   |
| C2 total discharge current (8/20 $\mu$ s) cores-PE   | $I_{Total}$ | 10.00 kA  |
| C2 voltage protection level mode core-PE at $I_n$    | $U_p$       | 450 V   |
| C2 voltage protection level mode core-core at $I_n$  | $U_p$       | 90 V  |
| Response time core-core                              | $t_a$       | 1 ns  |
| Response time core-PE                                | $t_a$       | 100 ns  |
| Connection (input - output)                          |             | terminals                                       |
| Cross-section of connected conductors solid (max)    |             | 2.50 mm <sup>2</sup>                            |
| Cross-section of connected conductors stranded (max) |             | 2.50 mm <sup>2</sup>                            |
| Degree of protection                                 |             | IP 20   |
| Range of ambient temperatures (min/max)              |             | -40 / 70 °C                                     |
| According to standard                                |             | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 |
| ETIM Class   |             | EC001625  |
| Customs tariff number                                |             | 85363030  |
| EAN  |             | 8595090565970                                   |
| Order number   |             | A06597  |