

# DMJ-024/2-RB

## SPD - for data, signalling and telecommunications lines / I&C / ST2+3 (DM) - terminal block

Surge protection for two 1-core signalling networks

coupling impedance (resistance), screwless terminals

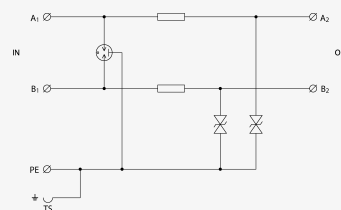
- coarse and fine surge protection for two 1-core signalling networks
- installation close to protected equipment
- for protection of communication interfaces and control circuits of I&C, electronic security and fire detection systems, etc. against impact of surge voltage
- coarse and fine surge protection in common mode (core – PE)



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  |
| Nominal voltage  | $U_n$       | 24.00 V DC      |
| Maximum operating voltage                              | $U_c$       | 25.00 V AC      |
| Maximum operating voltage                              | $U_c$       | 36.00 V DC      |
| Nominal load current                                   | $I_L$       | 0.500 A         |
| Threshold frequency core-core                          | $f$         | 4.00 MHz        |
| Serial resistance per core                             | $R$         | 2.20 $\Omega$   |
| D1 impulse discharge current (10/350 $\mu$ s) per core | $I_{imp}$   | 0.50 kA         |
| D1 total discharge current (10/350 $\mu$ s) cores-PE   | $I_{Total}$ | 1.00 kA         |

|   |             |   |
|---|-------------|---|
| 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 $I_n$         | $U_p$       | 65.00 V   |
| C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s | $U_p$       | 45.00 V   |
| Response time core-PE                                     | $t_a$       | 1 ns  |
| Connection (input - output)                               |             | screwless terminals/screwless terminals         |
| Cross-section of connected conductors solid (min)         |             | 0.08 mm <sup>2</sup>                            |
| Cross-section of connected conductors solid (max)         |             | 4.00 mm <sup>2</sup>                            |
| Cross-section of connected conductors stranded (min)      |             | 0.08 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                                     |             | 85363010  |
| EAN   |             | 8595090560661                                   |
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