

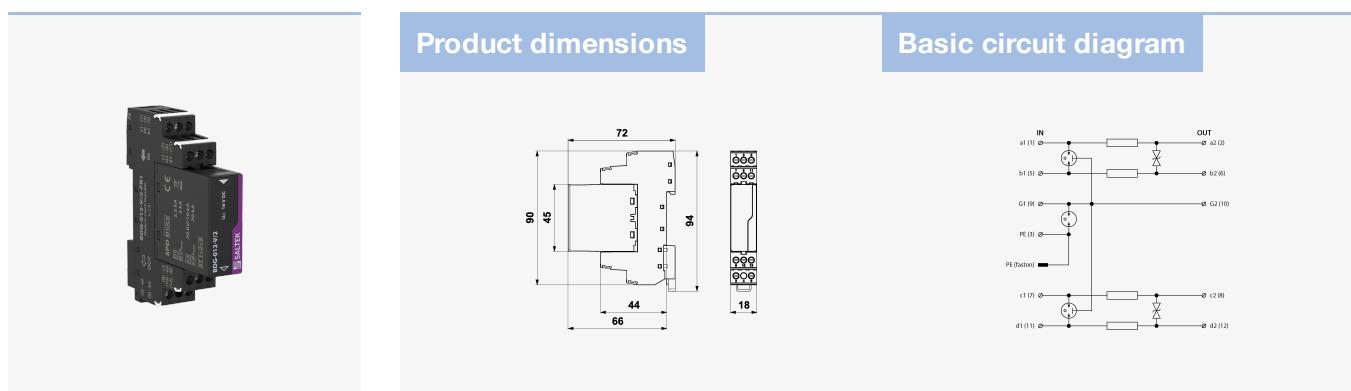
BDG-012-V/2-FR1

SPD - for data, signalling and telecommunications lines / I&C / ST1+2+3 (BDM, BDG) - plugable

Lightning current arrester with coarse and fine surge protection for two 2-core shielding floating signalling lines

pluggable module, coupling impedance (R – resistance), line separated from protective earth via GDT

- lightning current arrester with coarse and fine surge protection for two 2-core signalling lines
- installation at the boundary of LPZ 0 and LPZ 1 zones or higher, at the line entry into building and also installation close to protected device
- for protection of communication interfaces of I&C, MaR systems, electronic security and fire detection systems, etc. (mainly for RS-485 interfaces) against impact of surge voltage
- coarse and fine surge protection (core – core) in differential mode and coarse surge protection in common mode (line – PE)



| Parameter name | Parameter value |
|-------------------------------|-----------------|
| Type of SPD | D1,C2 |
| Location of SPD | ST 1+2+3 |
| Mounting | DIN rail 35 mm |
| Nominal voltage | U_n 12 V DC |
| Nominal load current | I_L 1.000 A |
| Threshold frequency core-core | f 3.00 MHz |
| Serial resistance per core | R 0.80 Ω |

| | | |
|---|-------------|---|
| D1 impulse discharge current (10/350 µs) per core | I_{imp} | 2.50 kA |
| D1 total discharge current (10/350 µs) cores-PE | I_{Total} | 5.00 kA |
| C2 nominal discharge current (8/20 µs) GND-PE | I_n | 10.00 kA |
| C2 nominal discharge current (8/20 µs) per core | I_n | 10.00 kA |
| C2 total discharge current (8/20 µs) cores-PE | I_{Total} | 20.00 kA |
| C3 nominal discharge current (10/1000 µs) core-PE | I_{SM} | 10 A |
| C3 nominal discharge current (10/1000 µs) core-core | I_{SM} | 10 A |
| C3 voltage protection level mode GND-PE at 1 kV/µs | U_p | 550.00 V |
| C3 voltage protection level mode core-GND at 1 kV/µs | U_p | 550.00 V |
| C3 voltage protection level mode core-core at 1 kV/µs | U_p | 22 V |
| Response time core-core | t_a | 1 ns |
| Response time core-GND | t_a | 100 ns |
| Response time GND-PE | t_a | 100 ns |
| Connection (input - output) | | terminals-terminals |
| Cross-section of connected conductors solid (min) | | 0.14 mm ² |
| Cross-section of connected conductors solid (max) | | 4.00 mm ² |
| Cross-section of connected conductors stranded (min) | | 0.14 mm ² |
| Cross-section of connected conductors stranded (max) | | 2.50 mm ² |
| 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 |
| Plug module | | BDG-012-V/2-0 |
| Customs tariff number | | 85363010 |
| EAN | | 8595090564805 |

Order number

A06480

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