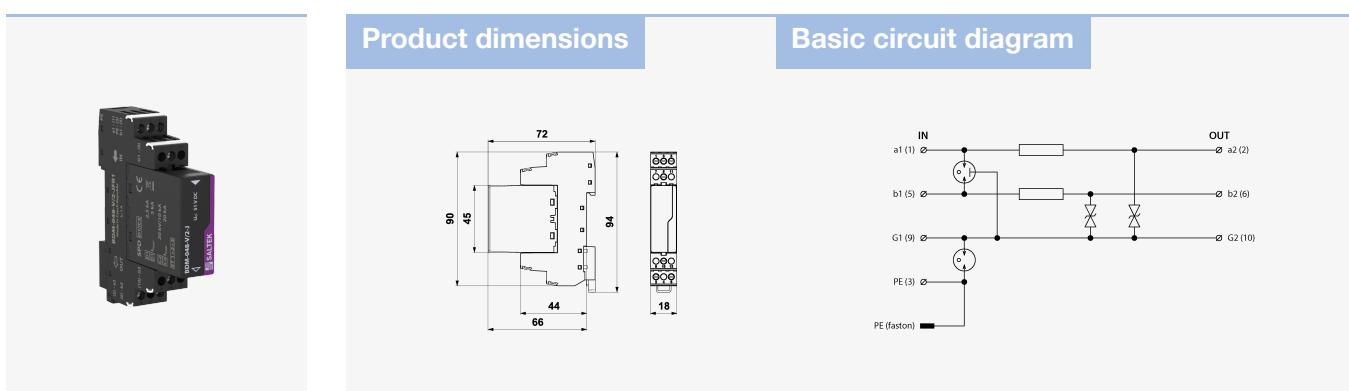


# BDM-048-V/2-JFR1

## 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 1-core 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 1-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 – GND) 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 $U_n$	48 V DC
Maximum operating voltage $U_c$	36.00 V AC
Maximum operating voltage $U_c$	51.00 V DC
Nominal load current $I_L$	1.000 A
Treshold frequency core-core $f$	5.00 MHz
Serial resistance per core $R$	0.80 $\Omega$
D1 impulse discharge current (10/350 $\mu$ s) per core $I_{imp}$	2.50 kA

D1 total discharge current (10/350 µs) cores-PE	I <sub>Total</sub>	<b>5.00 kA</b>
C2 nominal discharge current (8/20 µs) GND-PE	I <sub>n</sub>	<b>10.00 kA</b>
C2 nominal discharge current (8/20 µs) per core	I <sub>n</sub>	<b>10.00 kA</b>
C2 total discharge current (8/20 µs) cores-PE	I <sub>Total</sub>	<b>20.00 kA</b>
C3 nominal discharge current (10/1000 µs) core-PE	I <sub>SM</sub>	<b>10 A</b>
C3 nominal discharge current (10/1000 µs) core-core	I <sub>SM</sub>	<b>10 A</b>
C3 voltage protection level mode GND-PE at 1 kV/µs	U <sub>p</sub>	<b>550.00 V</b>
C3 voltage protection level mode core-GND at 1 kV/µs	U <sub>p</sub>	<b>65.00 V</b>
Response time core-GND	t <sub>a</sub>	<b>1 ns</b>
Response time GND-PE	t <sub>a</sub>	<b>100 ns</b>
Connection (input - output)	<b>terminals-terminals</b>	
Cross-section of connected conductors solid (min)	<b>0.14 mm<sup>2</sup></b>	
Cross-section of connected conductors solid (max)	<b>4.00 mm<sup>2</sup></b>	
Cross-section of connected conductors stranded (min)	<b>0.14 mm<sup>2</sup></b>	
Cross-section of connected conductors stranded (max)	<b>2.50 mm<sup>2</sup></b>	
Degree of protection	<b>IP 20</b>	
Range of ambient temperatures (min/max)	<b>-40 / 70 °C</b>	
According to standard	<b>EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012</b>	
ETIM Class	<b>EC001625</b>	
Plug module	<b>BDM-048-V/2-J-0</b>	
Customs tariff number	<b>85363010</b>	
EAN	<b>8595090564294</b>	
Order number	<b>A06429</b>	