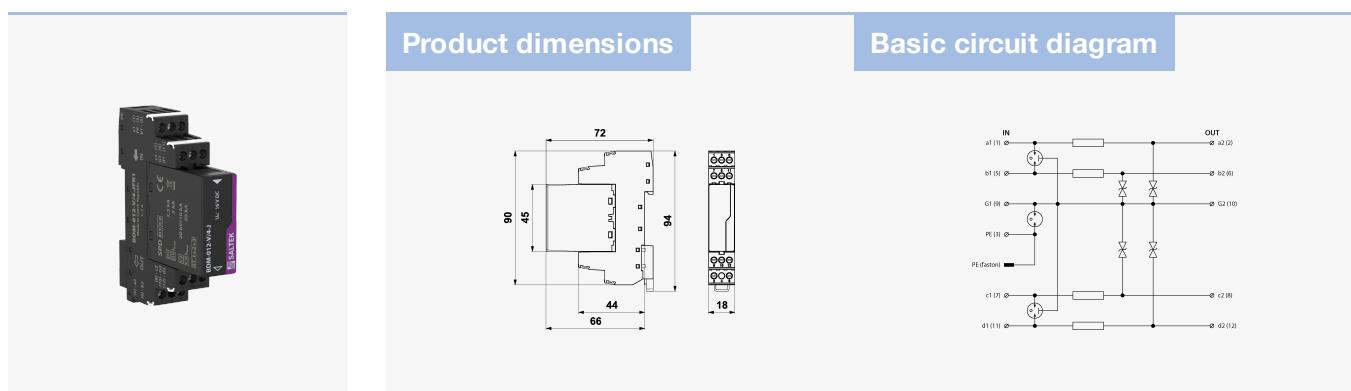


# BDM-012-V/4-JFR1

## 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 four 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 four 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	$U_n$
Nominal load current	$I_L$
Threshold frequency core-core	$f$
Serial resistance per core	$R$
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	$U_p$	22.00 V
Response time core-GND	$t_a$	1 ns
Response time GND-PE	$t_a$	100 ns
Connection (input - output)	terminals-terminals	
Cross-section of connected conductors solid (min)	0.14 mm <sup>2</sup>	
Cross-section of connected conductors solid (max)	4.00 mm <sup>2</sup>	
Cross-section of connected conductors stranded (min)	0.14 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	
Plug module	BDM-012-V/4-J-0	
Customs tariff number	85363010	
EAN	8595090564096	
Order number	A06409	