

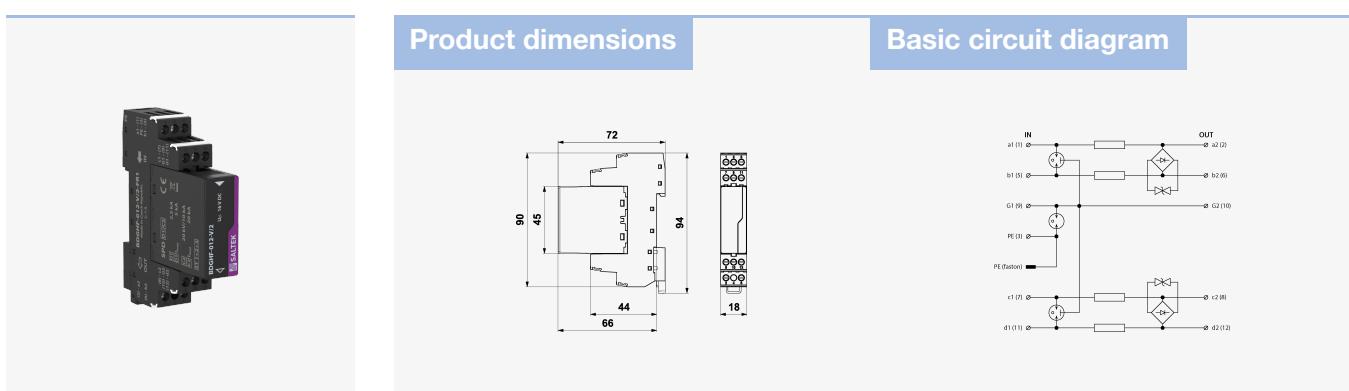
BDGHF-012-V/2-FR1

SPD - for data, signalling and telecommunications lines / I&C / Specials - for BUS systems (high speed rate)

Lightning current arrester with coarse and fine surge protection of two 2-core high-speed 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 high-speed 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 telecommunication lines (version BDGHF-230) and interfaces of I&C, MaR systems, electronic security and fire detection systems, etc. (mainly for RS-485, PROFIBUS interfaces) against 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
Maximum operating voltage	U_c
Maximum operating voltage	U_c
Nominal load current	I_L
Treshold frequency core-core	f

Serial resistance per core	R	0.80 Ω
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	24 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 mm²	
Cross-section of connected conductors solid (max)	4.00 mm²	
Cross-section of connected conductors stranded (min)	0.14 mm²	
Cross-section of connected conductors stranded (max)	2.50 mm²	
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	BDGHF-012-V/2-0	
Customs tariff number	85363010	
EAN	8595090565291	
Order number	A06529	