

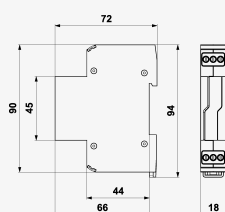
BD-090-T

SPD - for data, signalling and telecommunications lines / I&C / ST1 (BD) - compact
Lightning current arrester for telecommunication and signalling lines
compact device

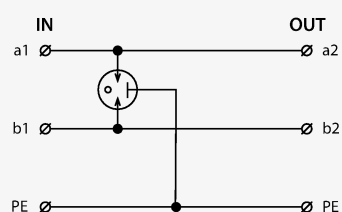
- lightning current arrester of 2-core signalling lines
- installation at the boundary of LPZ 0 and LPZ 1 zones at the line entry into building
- mainly for protection of telecommunication lines against surge voltage



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	D1,C2
Location of SPD	ST 1
Mounting	DIN rail 35 mm
Maximum operating voltage	U_c 50.00 V AC
Maximum operating voltage	U_c 70.00 V DC
Nominal load current	I_L 1.600 A
Threshold frequency core-core	f 120.00 MHz
D1 impulse discharge current (10/350 μ s) per core	I_{imp} 2.50 kA
D1 total discharge current (10/350 μ s) cores-PE	I_{Total} 5.00 kA
C2 nominal discharge current (8/20 μ s) per core	I_n 10.00 kA
C2 total discharge current (8/20 μ s) cores-PE	I_{Total} 20.00 kA
C3 voltage protection level mode core-PE at 1 kV/ μ s	U_p 550 V
C3 voltage protection level mode core-core at 1 kV/ μ s	U_p 550 V
Response time core-core	t_a 100 ns
Response time core-PE	t_a 100 ns

Connection (input - output)	terminals-terminals
Cross-section of connected conductors solid (max)	6.00 mm²
Cross-section of connected conductors stranded (max)	6.00 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	EC001466
Customs tariff number	85363030
EAN	8595090558217
Order number	A05821

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