BD-090-T

SPD - for data, signalling and telecommunications lines / I&C / ST1 (BD) - compact

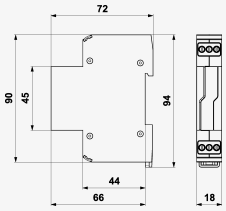
Lightning current arrester for telecommunication and signalling lines

compact device

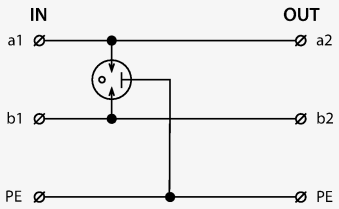
- lightning current arrester of 2-core signalling lines
- installation at the boundary of LPZ 0 and LPZ 1 zones at the line entry into building
- mainly for protection of telecommunication lines against surge voltage



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
Treshold frequency core-core	f	120.00 MHz
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) per core	I_n	10.00 kA
C2 total discharge current (8/20 µs) cores-PE	I_{Total}	20.00 kA
C3 voltage protection level mode core-PE at 1 kV/µs	U_p	550.00 V
C3 voltage protection level mode core-core at 1 kV/µs	U_p	550.00 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 mm^2**
Cross-section of connected conductors stranded (max)	**6.00 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	**EC001466**
Customs tariff number	**85363030**
EAN	**8595090558217**
Order number	**A05821**