

# BD-090-T-V/2-F16

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

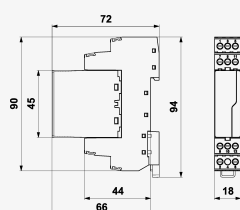
Lightning current arrester for two 2-core telecommunication and signalling lines

pluggable module, line separated from protective earth via GDT

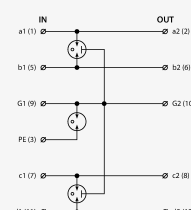
- lightning current arrester of two 2/3-core signalling lines
- installation at the boundary of LPZ 0 and LPZ 1 zones at the line entry into building
- for protection signalling, data and other lines against surge voltage



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	$I_L$ 16.000 A
Threshold frequency core-core	$f$ 120.00 MHz
D1 impulse discharge current (10/350 $\mu$ s) per core	$I_{imp}$ 2.50 kA
D1 total discharge current (10/350 $\mu$ s) cores-PE	$I_{Total}$ 5.00 kA
C2 nominal discharge current (8/20 $\mu$ s) GND-PE	$I_n$ 10.00 kA
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$ 10.00 kA
C2 total discharge current (8/20 $\mu$ s) cores-PE	$I_{Total}$ 20.00 kA
C3 voltage protection level mode GND-PE at 1 kV/ $\mu$ s	$U_p$ 550.00 V
C3 voltage protection level mode core-GND at 1 kV/ $\mu$ s	$U_p$ 550.00 V

C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$	550 V
Response time core-core	$t_a$	100 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 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		EC001466
Plug module		BD-090-T-V/2-0
Customs tariff number		85363010
EAN		8595090555544
Order number		A05554