

BDM-230-V/1-FR

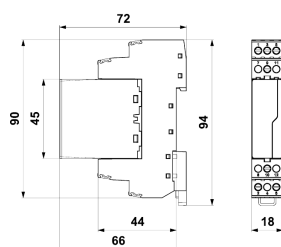
Ordering number 8595090557135

Lightning Current Arrester

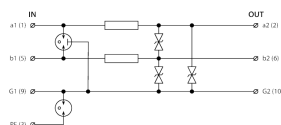
Coarse and fine protection of 2-core telecommunication, data and other lines.
Installation at the boundary of LPZ 0 and LPZ 1 zones or higher at the input of the line into building.



Dimension drawing



Basic circuit diagram



Technical specifications

Type of SPD		D1,C2
Connection (input - output)		terminals-terminals
Location of SPD		ST 1+2+3
Nominal voltage	U_n	230 V DC
Maximum operating voltage	U_c	177 V AC
Maximum operating voltage	U_c	250 V DC
Nominal load current	I_L	0,500 A
C2 nominal discharge current (8/20 μ s) per core	I_n	10,00 kA
C2 nominal discharge current (8/20 μ s) GND-PE	I_n	10,00 kA
C2 total discharge current (8/20 μ s) cores-PE	I_{Total}	20,00 kA
D1 impulse discharge current (10/350 μ s) core-core	I_{imp}	2,50 kA
D1 total discharge current (10/350 μ s) cores-PE	I_{Total}	5,00 kA
C3 voltage protection level mode core-core at 1 kV/ μ s	U_p	350 V
C3 voltage protection level mode GND-PE at 1 kV/ μ s	U_p	550,00 V
C3 voltage protection level mode core-GND at 1 kV/ μ s	U_p	350,00 V
Response time core-core	t_a	1 ns
Response time GND-PE	t_a	100 ns
Response time GND	t_a	1 ns
Serial resistance per core	R	3,30 Ω
Threshold frequency core-core	f	11,00 MHz
Cross-section of connected conductors solid (min)		0,14 mm ²
Cross-section of connected conductors solid (max)		4,00 mm ²
Cross-section of connected conductors stranded (min)		0,14 mm ²
Cross-section of connected conductors stranded (max)		2,50 mm ²
Degree of protection		IP 20
Range of operating temperatures - min		-40 °C
Range of operating temperatures - max		70 °C
Mounting		DIN rail 35 mm
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class		EC001466