

PART NO: KM-BDG-230-V/1-FR1

TYPE: Surge arrester for data, signal and telecomms

DESCRIPTION: Lightning current arrester with coarse and fine surge protection for the protection of 2 core signalling lines.
Install at the boundary of LPZ0 and LPZ1 zones at the line entry into the building.

RATING: 230V AC nominal voltage

Standards

EN 61643-11 (surge protection devices).

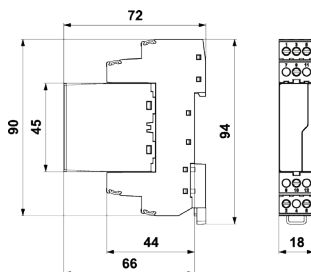
Type: D1, C2
Location: ST 1+2+3



Electrical specification

| Order number | KM-BDG-230-V/1-FR1 | |
|--|--|-----------------|
| Connection (input - output) | terminals - terminals | |
| Nominal voltage | U_n | 230V DC |
| Maximum operating voltage | U_c | 177V AC/250V DC |
| Nominal load current | I_L | 0.5A |
| C2 Nominal discharge current (8/20 μ s) per core/GND-PE | I_n | 10kA |
| C2 Total discharge current (8/20 μ s) cores-PE | I_{total} | 20kA |
| D1 Impulse discharge current (10/350 μ s) core-core | I_{imp} | 2.5kA |
| D1 Total discharge current (10/350 μ s) cores-PE | I_{total} | 5kA |
| C3 Voltage protection level mode core-core at 1kV/ μ s | U_p | 350V |
| C3 Voltage protection level mode GND-PE/core-GND at 1kV/ μ s | U_p | 550V |
| Response time core-core | t_a | 1ns |
| Response time core-PE/core-GND | t_a | 100ns |
| Serial resistance per core | R | 3.3 Ω |
| Threshold frequency core-core | f | 16MHz |
| Cross-section of connected conductors (solid) (min - max) | 0.14mm ² - 4mm ² | |
| Cross-section of connected conductors (stranded) (min - max) | 0.14mm ² - 2.5mm ² | |
| Degree of protection | IP20 | |
| Range of operating temperatures (min - max) | -40°C - +70°C | |
| Mounting | DIN rail 35mm | |
| According to standard | EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 / D1, C2 | |
| ETIM Class | EC 001625 | |
| Weight | 90g (nett), 115g (gross) | |

Dimensions:



Wiring diagram:

