

Datasheet FT-01308

Last edited on 16/10/2015

FUHTM15/22A – FUSADEE SPD enclosure with integrated disconnecter.

Designation

4-pole FUSADEE® SPD enclosure for LVDB, 1 cartridge/pole, 1 level, IP55 waterproof enclosure, $U_p=0.8kV$.

Applications

Tertiary buildings, hospitals, industrial facilities

The FUHTM15/22 SPD is designed to protect 4-pole electrical installations. The current intensity must be between 630A and 1,000A or the short-circuit current below 65kA in a TT, IT or TN earthing systems with no ground fault interrupter. This SPD system is to be installed at the busbar upstream from the electrical installation.



Picture of the device with no cartridge controlling device FUHTM15/22UA

Description

Zener-diode-based 4-pole SPD, delivered prewired in a metallic enclosure with:

- 4 FUSADEE® cartridges
- 1 integrated disconnecter (I_n 16A, I_{cu} 65kA, I_m 64A)
- 1 alarm module with visual & audio warning system and dry-contact remote control
- 1 cartridge controlling device with module + TEST cartridge holder

Technical specifications

- Overall dimensions: 600 x 400 x 250mm ;
- Weight : 20kg;
- Max steady-state voltage U_c : 440V ;
- Compatible earthing systems: TT, TN and IT
- Voltage protection level U_p : 0.8kV ;
- Nominal discharge current I_n : 0.5kA per pole (unlimited number of shocks at I_n).
- Discharge capacity after fusion I_{fus} : 19kA (10/350 μ s)
- NF EN 61643-11 compliant

Installation requirements

Connections between the SPD and the earthing bus can be made with $>16mm^2$ cables, connections to the earth must be as short and as straight as possible ($<5m$ in any case), section $>25mm^2$ (capacity of the terminals $50mm^2$).

Product description

SPD enclosure for LVDB with $I_{cc} < 65kA$, max steady-state voltage 440V, voltage protection level U_p 0.8kV, Zener-diode technology, nominal discharge current I_n 0.5kA, unlimited number of shocks at I_n , interrupting capacity of the integrated disconnecter 65kA, delivered with alarm module, delivered prewired in a metallic IP55 enclosure 600 x 400 x 250mm

Accessories and spare parts

Replacement cartridges and holder:

- FUSADEE® SPD cartridge FUSADR15/22, code 01205

- FUSADEE® cartridge holder MTADFPMX22M, code 10208
- FUSADEE® cartridge controlling device FUSCT11/22, code 30115

Option

- 4-pole type-1 SPD option in the presence of a lightning rod on the building: FUSO400.4 code 20004

Other versions :

- SPD enclosure with no cartridge controlling device: FUHTM15/22UA (01348).
- Plate-mounted with no cartridge controlling device l:400x H:600mm : FUHTM1522UAAL (01398)
- Plate-mounted with cartridge controlling device l:400x H:600mm : FUHTM1522AAL (01328)
- 3-pole version: FUHNM15/22A (01302)
- 4-pole with differential tripping device for the selection of ground fault interrupter: FUHTD15/22A (01313)