

Data sheet FT-60102

VAR15EP2SMR - Single-phase low-profile In=5kA SPD for street lighting applications.

Designation

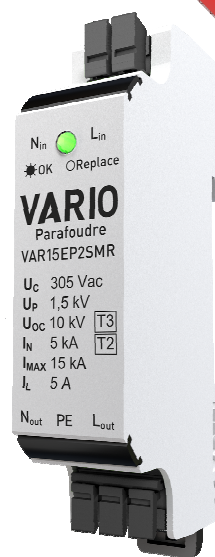
Single-phase low-profile 5kA modular SPD with series connection for street lighting applications.

Applications

The VAR15EP2SMR is a modular SPD designed to protect street lighting installations at their poles. Thanks to its very compact size, this device can be integrated in the smallest electrical enclosures used in the lighting poles ($\varnothing < 90\text{mm}$).

Description

Low-profile type 2+3 modular SPD, varistor & spark-gap-based protection in common and differential mode. End-of-life (EOL) in open-circuit with interruption of the power supply + extinction of the light indicator.



Specifications

- Dimensions/connection: 1 module for DIN RAIL 35, low profile: depth 38mm.
- Nominal voltage U_n : 230Vac
- Max steady-state voltage U_c : 305Vac;
- Voltage protection level U_p : 1.5kV;
- Nominal discharge current (class II tests), I_n : 5kA (8/20 μ s)
- Maximal discharge current I_{max} : 15kA (8/20 μ s)
- Open-circuit voltage (class III tests), U_{oc} : 10kV
- Short circuit withstand capacity I_{sc} : 10kA (with optimal upstream disconnecter)
- Operating voltage : IL 5A
- Complies with the NF EN 61643-11, Type 2+3 standards.
- Recommended associated disconnecter: C-curve 6A circuit-breaker or gG-type 10A fuses
- Fast connectors 1.5mm² (max 2.5mm² rigid).
- End-of-life (EOL) in open-circuit with interruption of the power supply (phase) + extinction of the EOL light indicator

Installation requirements

The VAR15EP2SMR SPDs are to be installed in the electrical enclosures located in the light poles requiring a surge protection (upstream of the circuit-breaker). Connections between phase, neutral and earth are made with 1.5mm²-wide flexible connectors. An upstream protection with an associated disconnecter (C-curve max 6A circuit-breaker or gG-type 10A fuses) is highly recommended. When connecting to installations with no earth connection, a protection in differential mode only is advised.

Product description

Single-phase low-profile modular SPD for 230V street lighting applications, max steady-state voltage U_c 305Vac, voltage protection level U_p 1.5kV, I_n 5kA.

Picture and technical data are not contractual