

Datasheet FT-160102

_VAR15EP2SMV - Low-profile, two-pole surge arrester, 5kA, for public lighting applications.

Designation

Modular, low-profile, two-pole surge arrester, 5kA, for public lighting, with serial connection.

Application

The VAR15EP2SMV module is designed to protect public lighting circuits at the base of the pole. Its low profile allows for integration into the pole base enclosure, including the most compact ones, such as those used for poles with a diameter of less than 90mm.

Description

Modular, low-profile Type 2+3 surge arrester, providing common-mode and differential protection with a varistor and spark gap. End-of-life is triggered by power interruption and the front-panel indicator light going out.

Specifications

- Dimensions/mounting: 1 module for DIN35 rail, low profile: 38mm depth.
- Nominal operating voltage U_n : 230Vac
- Maximum continuous operating voltage U_c : 305Vac;
- Protection voltage U_p : 1.5kV;
- Nominal discharge current (Class II test), I_n : 5kA (8/20 μ s)
- Maximum discharge current I_{max} : 15kA (8/20 μ s)
- Covered circuit voltage (Class III test), U_{oc} : 10kV
- Short-circuit withstand current I_{sc} : 10kA (with maximum upstream disconnect switch)
- Operating current: I_L 5A
- Complies with standard NF EN 61643-11, Type 2+3.
- Recommended associated disconnecter: 6A C-curve circuit breaker or 10A gG fuse
- 1.5mm² screw terminals (max 2.5mm² rigid).
- Downstream power supply cutoff of the surge protector at the end of its life (phase break) + end-of-life indicator light on the front panel
- Supplied with a 60cm 2.5mm² earth wire



Spécifications d'installation

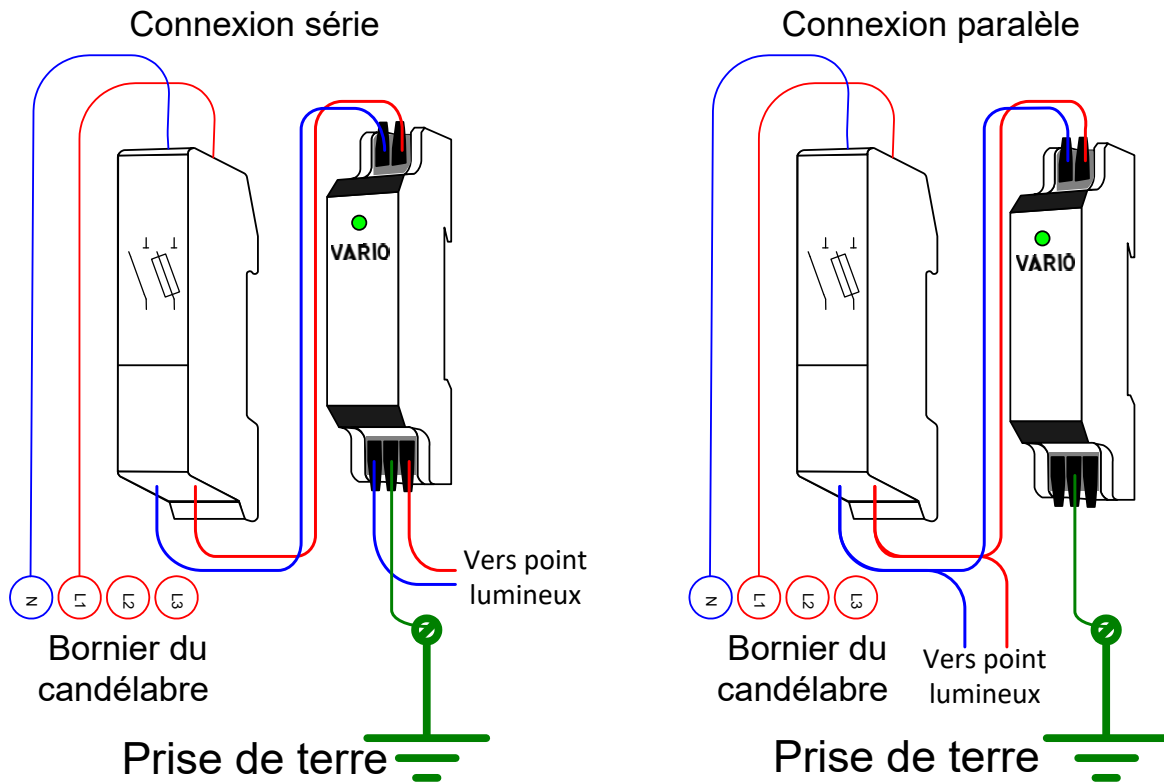
VAR15EP2SMV surge protectors are designed for installation near the light points to be protected, at the mast box downstream of the circuit breaker. Phase, neutral, and earth connections are made using flexible conductors with a cross-section of 1.5 mm². Upstream protection must be provided by an associated disconnect switch, such as a circuit breaker with a maximum rating of 6A (C curve) or a 10 gG fuse. Protection is provided in residual current mode only when installed in an installation without an earth connection (with Class II equipment).

Description aid

Low profile bipolar modular surge arrester for public lighting, 230V network, voltage U_c 305Vac, protection voltage U_p 1.5kV, I_n 5kA.

Implementation guidelines

Avec équipements classe I



Avec équipements classe II

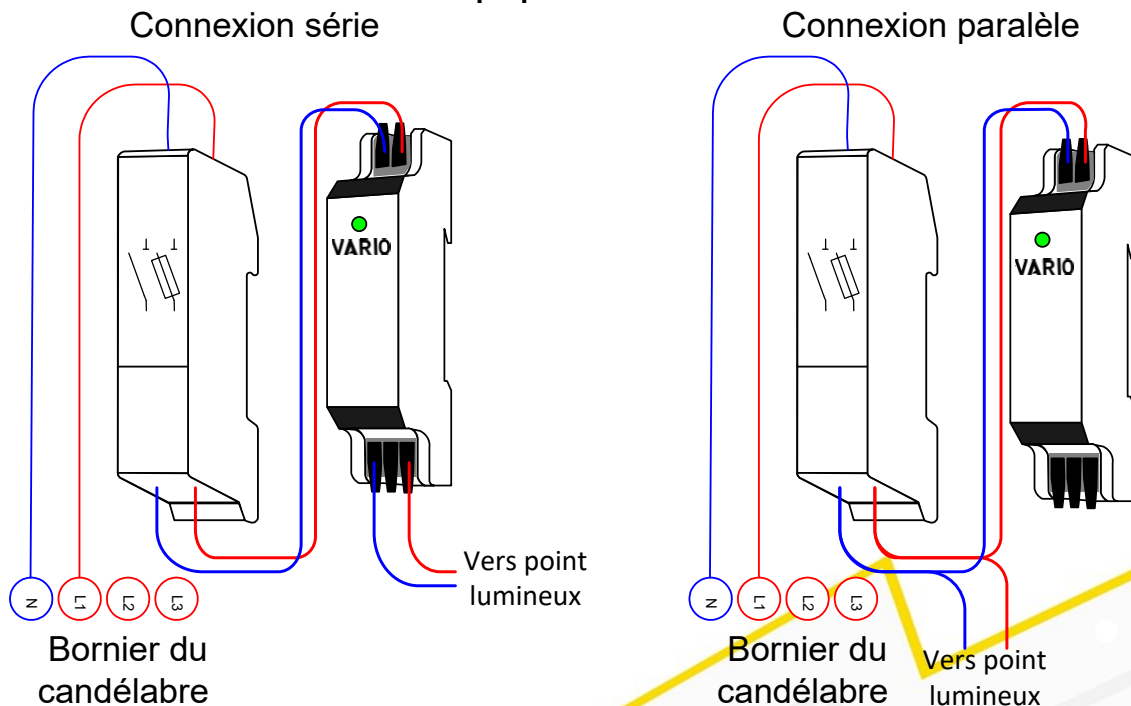


Photo et données techniques non contractuelles