

ENSTO

PPACS Removable potential socket for separable connectors



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Within the context of the new neutral status, the MV voltage needs to be known. This is taken on the voltage divider of the 3 type C33.051 separable connectors on the MV/LV. The PPACS (removable potential socket for separable connectors) enables connection up to the directional fault detector. Specification: HN-52-S-63

Description

The PPACS comprises 3 voltage sockets connected by 2 m of cable, section 2.5 mm^2 , to an HAN type Q5/0 connector. A structural earth cable, section 2.5 mm^2 , is also connected to the connector. A double sealing system ensures that the contact maintained through a long working life. The PPACS is compatible with most existing models of separable connector (250 A and 400 A).

Caractéristiques mécaniques

- The PPACS is universal and is compatible with:
- separable connector capacitive divider models with diameters from 30 to 36 mm,
- the 3 types of screw thread used in capacitive dividers (3 types of screw are supplied, identifiable by their locators).
- Remains waterproof under severe operating conditions:
- Ambient temperature: -15°C to +70°C
- Relative humidity from 5 to 95%
- A handling ring is provided, allowing the sensor to be extracted for inspection.
- Cable (2.5 mm² section) pull-out resistance exceeds 100 N.
- Fixed contact tightened using a screwdriver, to avoid damage to the separable connector.

Electrical characteristics

- Structural earth continuity is provided by an outer coating of semi-conducting elastomer.
- Breakdown voltage after installation: 50 kV for 1 mn at 50 Hz and 125 kV pulse on core of cable connected to the separable connector.
- Breakdown voltage before installation: 2 kV for 1 mn at 50 Hz and 5 kV pulse.





PPACS assembly



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