Technical sheet FT-67111

VAPV2/60C1S2 – Surge Protective Device (SPD) DC600V for photovoltaic (PV) installations.
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Designation

SPD box for DC outputs in PV installations up to 600Vdc with 2 groups or 2 independent chains.

Application

SPD box designed for the connection & protection of PV installations in residential & tertiary buildings against lightning & overvoltage surges. The box can be used to connect 2 chains of modules and to protect the converter (1 inverter of 2 MPPT or 2 inverters of 1 MPPT) on the DC side (entrance of the panels).

Description

SPD box for the protection of DC outputs in PV installations up to 600Vdc featuring 2 channels equipped with spring terminals; 25A/600Vdc disconnector; DC SPD with integrated disconnector. MC4 connectors at the inputs (1 couple per group)

Technical specifications

- Dimensions (WxHxD mm) : 300 x 250 x 140
- Maximum operating voltage (UocMAX) : 600Vdc
- Design current (Ie) : 25Adc (25A/1000Vdc DC21B disconnector)
- Nominal discharge current of the installation (IscSTC) : <20Adc (per group)
- Voltage protection level Up : 2.5kV ;
- Nominal discharge current In: 20kA (8/20µs)
- Maximal discharge current Imax: 40kA (8/20µs)
- Compliance : French standard NF EN 61643-21 type2 & UTE C61-740-51

Recommandations of installation

Installation close to the inverter, MC4 connectors at the inputs, connecting cables 6mm² for DC outputs, 16mm² for earthing connection (5-point terminal)

Additional description

SPD box for DC outputs in PV installations, with 600Vdc/25A disconnector, DC SPD with associated disconnector, IP65 enclosure. MC4 connectors for 2 chains.

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