PVT2 PHOTOVOLTAIC SURGE PROTECTION CLASS II, 1,500 VDC UCPV

CATALOG NUMBER

PVT21500R



CERTIFICATIONS

FEATURES

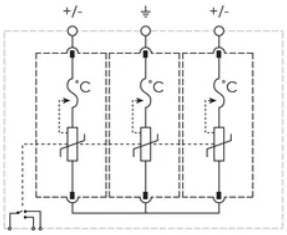
- Suited for use at the DC input of distributed string inverters in solar arrays
- Thermal protection included to ensure safe failure modes
- Compact, yet high surge rated pluggable design, using minimum DIN rail width

PRODUCT ATTRIBUTES

- Max Continuous Operating Voltage (Ucpv): 1500
- Nominal Discharge Current (In), IEC: 20 kA 8/20 µs
- Max Discharge Current (Imax): 30 kA 8/20 µs
- Total Discharge Current (Itotal): 40 kA 8/20 -s
- Voltage Protection Level (Up): 5000 V
- Response Time: 25 ns Max
- Short Circuit Current Rating (Isccr): 11 kA
- Max Continuous Operating Voltage (Vpvdc): 1,500 VDC
- Voltage Protection Rating (VPR): 4000 V
- Nominal Discharge Current (In), UL: 20 kA 8/20 µs
- Short Circuit Current Rating (SCCR): 65 kA
- Protection Modes: -ve to PE;-ve to +ve;+ve to PE
- Altitude: 6562' Max

Humidity: 5 - 95
Temperature: -40 to 185 °F
Connection, Flexible: #4
Connection, Solid: #2
Connection, Stranded: #2
Enclosure Material: UL® 94V-0 Thermoplastic
Enclosure Rating: IP 20
Mounting: 35 mm top hat DIN rail
Torque (TQ): 3.3 ft·lbf Max
Remote Contact Switching Capacity: 1 A @ 125 VAC;1 A @ 250 VAC;0.5 A @ 12 VDC;0.5 A @ 24 VDC;0.5 A @ 48 VDC
Remote Contacts: Yes
Status Indication: Mechanical flag
Depth (D): 2.72"
Height (H): 3.54"
Width (W): 2.13"
Unit Weight: 1 lb
Replacement Module: PVT2750M
Certification Details: UL® 1449 Edition 4 Type 1CA
Complies With: EN 50539-11 Type 1, Type 2

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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