

PVT2 PHOTOVOLTAIC SURGE PROTECTION CLASS II, 1,100 V UCPV

CATALOG NUMBER

PVT21000R



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): 1100

Nominal Discharge Current (In), IEC: 20kA 8/20 μ s

Max Discharge Current (Imax): 40kA 8/20 μ s

Total Discharge Current (Itotal): 50

Voltage Protection Level (Up): 4000V

Response Time: 25 ns Max

Short Circuit Current Rating (Iscrr): 11kA

Max Continuous Operating Voltage (Vpvdcc): 1,100 VDC

Voltage Protection Rating (VPR): 2500V

Nominal Discharge Current (In), UL: 20kA 8/20 μ s

Short Circuit Current Rating (SCCR): 50kA

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"

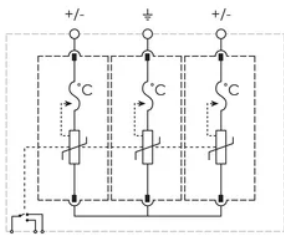
Unit Weight: 0.9 lb

Replacement Module: PVT2500M

Certification Details: UL® 1449 Edition 4 Type 1CA

Complies With: EN 50539-11 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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