

PVT2 PHOTOVOLTAIC SURGE PROTECTION CLASS II, 1,500 VDC MAX CONTINUOUS OPERATING VOLTAGE (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): 1,500 VDC

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

Max Discharge Current (Imax): 30 kA 8/20 μ s

Total Discharge Current (Itotal): 40 kA 8/20 μ s

Voltage Protection Level (Up): 5,000 V

Response Time: 25 ns Max

Short Circuit Current Rating (Iscrr): 11 kA

Max Continuous Operating Voltage (Vpvdc): 1,500 VDC

Voltage Protection Rating (VPR): 4,000 V

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

Short Circuit Current Rating (SCCR): 65 kA

Protection Modes: -ve to PE;-ve to +ve;+ve to PE

Altitude: 6,562' Max

Humidity: 5 – 95 % RH

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): 3.30 ft lb Max

Remote Contact Switching Capacity: 1.0 A @ 125 VAC;1.0 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): 2.720"

Height (H): 3.540"

Width (W): 2.130"

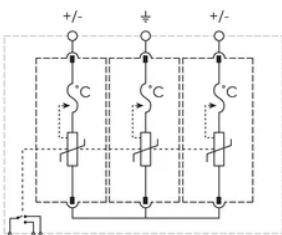
Unit Weight: 1 lb

Replacement Module: PVT2750M

Certification Details: UL® 1449 Edition 5 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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