

PD3041

強固級湧流保護器- RJ11 & 雙絞線端子台



產品介紹

EtherWAN's PD3041 Hardened Surge Protection Device shields DSL equipment from dangerous power surges, ground loops, and electrical discharges caused by faulty wiring or lightning. With full wire-to-wire and wire-to-earth surge protection, the PD3041 is ideal for use in areas that have unstable supplies of electricity, and on sites that have excessive amounts of electromagnetic interference. Applications include outdoor IP cameras and access points, as well as rooftop networking cabinets.

EtherWAN — "When Connectivity is Crucial."

產品亮點

Protection Solution Against Voltage Surge

» Provides pair-to-pair protection through RJ11 connector & terminal block

Flexible Installation

» Supports DIN-rail or desktop installation

Wide Temperature

» Provides -40 to 75°C operating temperature range for extreme environments

產品規格

Electrical

Maximum continuous operating voltage UC

- $\leq 185\text{VDC}$

Maximum continuous voltage UC (Wire-Wire)

- $\leq 185\text{VDC}$

Maximum continuous voltage UC (Wire-Ground)

- $\leq 185\text{VDC}$

Nominal current I_N

- $\leq 380\text{mA}$ (25°C)

Operating effective current I_C at UC

- $\leq 6\mu\text{A}$

Residual current IPE

- $\leq 4\mu\text{A}$

Nominal discharge surge current I_n (8/20) μs (Core-Core)

- $\leq 5\text{kA}$

Nominal discharge surge current I_n (8/20) μs (Core-Earth)

- $\leq 5\text{kA}$

Total surge current (8/20) μs

- 10kA

Nominal pulse current I_{an} (10/1000) μs (Core-Core)

- $\leq 100\text{A}$

Nominal pulse current I_{an} (10/1000) μs (Core-Earth)

- $\leq 100\text{A}$

Nominal pulse current I_{an} (10/700) μ s (Core-Core)

- $\leq 150A$

Nominal pulse current I_{an} (10/700) μ s (Core-Earth)

- $\leq 150A$

Output voltage limitation at 1kV/ μ s (Core-Core) spike

- $\leq 250V$

Output voltage limitation at 1kV/ μ s (Core-Earth) spike

- $\leq 250V$

Residual voltage at I_n , (Conductor-Conductor)

- $\leq 120V$

Residual voltage at I_n , (Conductor-Ground)

- $\leq 120V$

Voltage protection level UP (Core-Core)

- $\leq 300V$ (B2-100A)
- $\leq 300V$ (C1-500A)
- $\leq 300V$ (C2-5kA)

Voltage protection level UP (Core-Earth)

- $\leq 300V$ (B2-100A)
- $\leq 300V$ (C1-500A)
- $\leq 300V$ (C2-5kA)

Response time t_A (Core-Core)

- $\leq 100ns$

Response time t_A (Core-Earth)

- $\leq 100ns$

Input attenuation a_E , sym.

- Typ. 0.5dB ($\leq 5MHz$)

- Typ. 0.3dB ($\leq 8\text{MHz}/150\Omega$)
- Typ. 0.3dB ($\leq 2.5\text{MHz}/600\Omega$)

Near-end crosstalk attenuation

- $\leq 35\text{dB}$ (At 250MHz/100 Ω)

Cut-off frequency f_g (3dB), sym. in 100 Ohm system

- Typ. 50MHz

Resistance in series

- $3.3\Omega \pm 10\%$

Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)

- B2 (4kV/100A)
- C1 (1kV/500A)
- C2 (10kV/5kA) (Terminal Block)
- C2 (6kV/3kA) (RJ11)

Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)

- B2 (4kV/100A)
 - C1 (1kV/500A)
 - C2 (10kV/5kA) (Terminal Block)
 - C2 (6kV/3kA) (RJ11)
 - D1 (1kA)
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Mechanical

Casing

- Aluminum Case
- IP20

Dimensions

- 30 x 62.5 x 100mm (W x H x D)
(1.18" x 2.5" x 3.8")

Weight

- 184g $\pm 10\%$

Installation

- RJ11 Connector/Terminal Block
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Environment

Operating Temperature

- -40 to 75°C (-40 to 167°F)

Storage Temperature

- -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

- 5% to 95% (non-condensation)
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Regulatory Approvals

ISO

- Manufactured in an ISO 9001 facility

Safety

UL 497B

EMI

CE

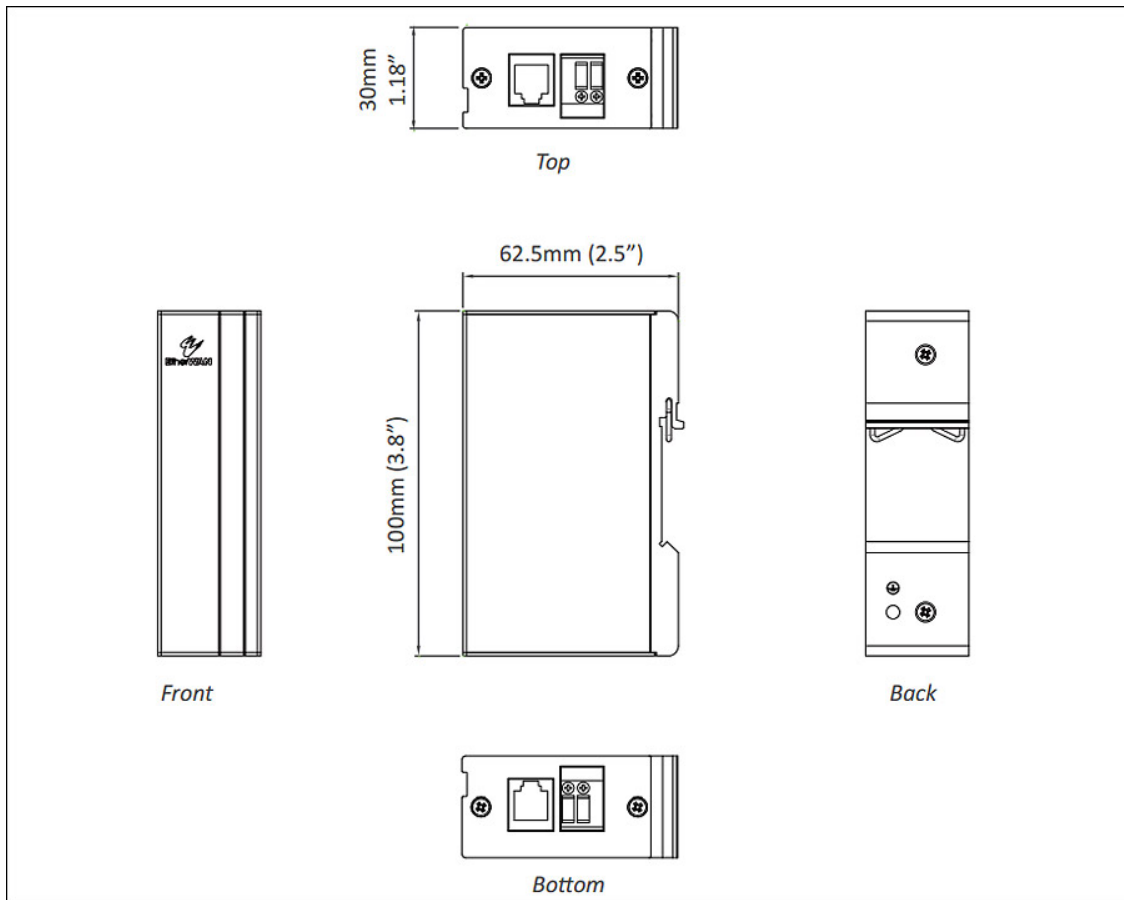
FCC Part 15 Class B

VCCI

Industrial Compliance

IEC 61643-21

產品尺寸圖



訂購型號

Model

PD3041

Hardened Surge Protection Device – RJ11 & Two Wire Terminal Block Type

