PD1041

強固級湧流保護器 - RJ45



產品介紹

益網科技的 PD1041 強固級雙絞線/電話線湧流保護器相容於 10/100/1000BASE-T 和 PoE，可透過 RJ45 連接器提供線對保護，可以讓您的乙太網路系統設備免受危險電湧的影響。 PD1041 專為惡劣嚴苛條件下的網路環境而設計，可以安裝在您的網路設備環境，進一步以保護您寶貴的網路設備。

EtherWAN — "When Connectivity is Crucial."

產品亮點

電壓突波保護解決方案

透過 RJ45 連接器提供線對保護

寬工作範圍

為極端氣候環境提供 -40 至 75°C 的工作溫度範圍

有彈性的安裝方式

支援 DIN 導軌式安裝或桌面安裝

相容於 10/100BASE-T、Gigabit 和 PoE 產品

提供資料和 PoE 電源通過

產品規格

Electrical

Maximum continuous operating voltage UC

≤3.3VDC

Maximum continuous voltage UC (Wire-Wire)

≤3.3VDC (±60VDC/PoE+)

Maximum continuous voltage UC (Wire-Ground)

≤180VDC

Nominal current IN

≤1.5A (25°C)

Operating effective current IC at UC

≤1μA

Residual current IPE

≤8μA

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

100A

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

2kA (per signal pair)

Total surge current (8/20) μs

10kA

Nominal pulse current Ian (10/700) μs (Core-Core)

≤40A

Nominal pulse current Ian (10/700) μs (Core-Earth)

160A

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

≤85V (PoE)

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

≤700V)

Output voltage limitation at 1kV/μs (Core-Core) static

≤9V

Output voltage limitation at 1kV/μs (Core-Earth) static

≤700V

Output voltage limitation at 100V/s (Core-Core)

≤9V

Output voltage limitation at 100V/s (Core-Earth)

≤300V

Output voltage limitation at 100V/μs (Core-Core)

≤9V

Output voltage limitation at 100V/μs (Core-Earth)

≤600V

Residual voltage at IN, (Conductor-Conductor)

≤15V

≤100V (PoE)

Voltage protection level Up (Core-Core)

≤9V (B2-1kV/25A)

≤100V (B2-1kV/25A-PoE)

≤15V (500V/100A)

Voltage protection level Up (Core-Earth)

≤600V

≤700V (C2-4kV/2kA)

Response time tA (Core-Core)

≤1ns

Response time tA (Core-Earth)

≤100ns

Input attenuation aE, sym.

1dB (≤250MHz)

Near-end crosstalk attenuation

≤35dB (At 250MHz/100Ω)

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

>500MHz

Capacity (Core-Core)

typ. 5pF (f=1MHz/VR=0V)

Capacity (Core-Earth)

typ. 2pF (f=1MHz/VR=0V)

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

B2 (1kV/25A)

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

B2 (4kV/100A)

C2 (4kV/2kA)

D1 (1kA)

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 ±5%

Installation

DIN-Rail

Connection

RJ45 Connector

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)

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 497B

EMI

CE

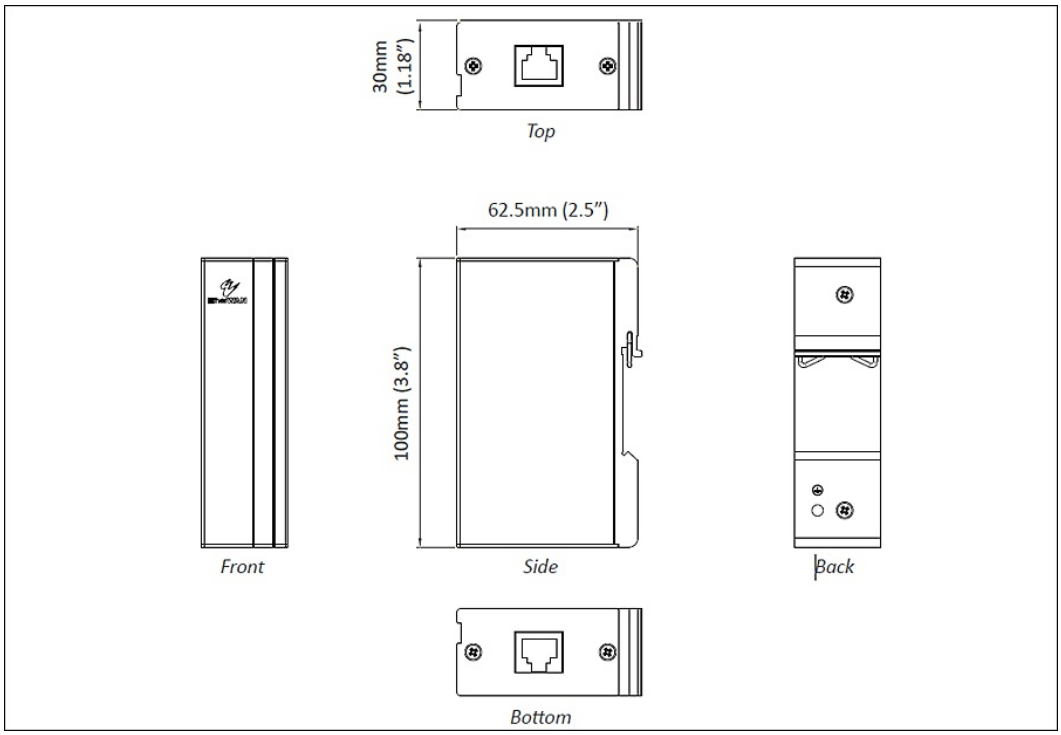
FCC Part 15 Class B

VCCI

Industrial Compliance

IEC 61643-21

產品尺寸圖



訂購型號

Model

PD1041	Hardened Surge Protection Device – RJ45

* Note: Cat.6 cable is recommended.

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