PD1041

広範囲動作温度対応 サージ保護デバイスーRJ45



概要

EtherWANの広範囲温度対応サージ保護デバイスPD1041はEtherWAN及び他のネットワークデバイスをイーサネットスイッチをサージダメージから保護するために設計されました。 産業用の設計でどのような過酷な場所でも設置でき、お客様の貴重なネットワーク設備を保護します。

EtherWAN — "When Connectivity is Crucial."

特長

対サージ保護対策

RJ45 或いは2ワイヤターミナルブロックによってPair to Pairの保護を提供します。

簡単設置

DIN-レールと卓上据え置き対応。

広範囲動作温度

-40度から75度までの広範囲動作温度サポート。

10/100BASE-T 、ギガビットと PoE製品とも適合

データと PoE パワーを一緒に通過します。

仕様

電気特性

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)

物理仕様

筐体

Aluminum Case

IP20

寸法

30 x 62.5 x 100mm (W x H x D)

(1.18" x 2.5" x 3.8")

重量

184g ±5%

取付方法

DIN-Rail

接続

RJ45 Connector

環境条件

使用温度範囲

-40 to 75°C (-40 to 167°F)

保存温度範囲

-40 to 85°C (-40 to 185°F)

使用湿度範囲

5% to 95% (non-condensation)

信頼性認証

ISO

Manufactured in an ISO 9001 facility

Safety

UL 497B

EMI

CE

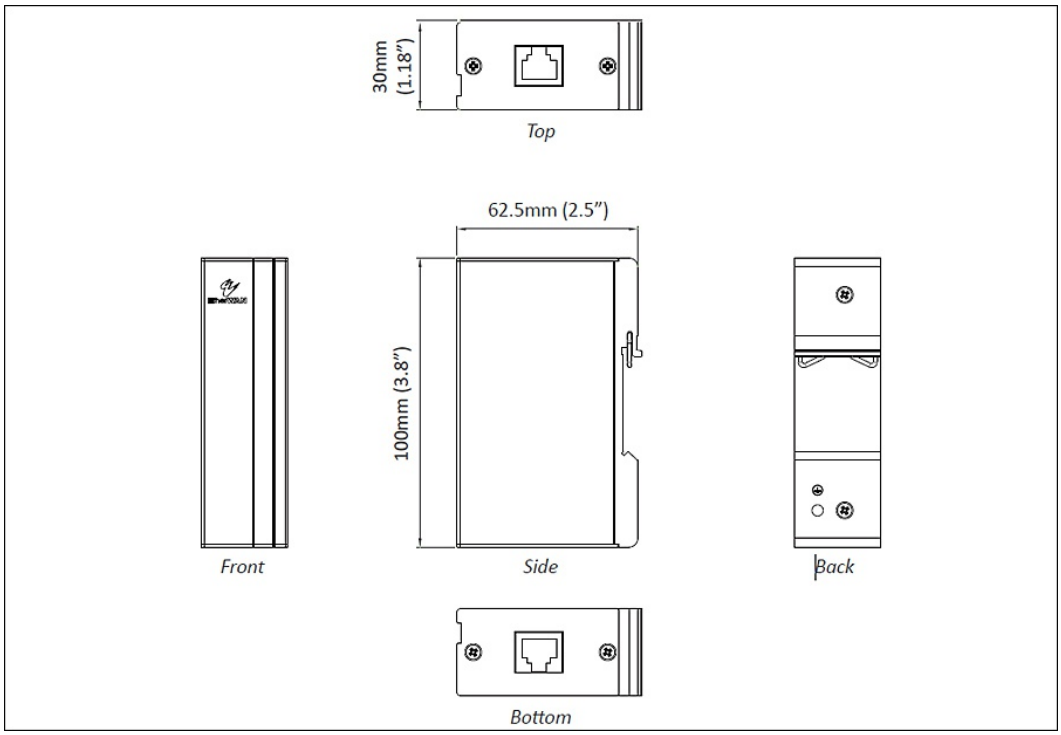
FCC Part 15 Class B

VCCI

Industrial Compliance

IEC 61643-21

寸法図



製品型番

型番

PD1041	Hardened Surge Protection Device – RJ45

* Cat.6 ケーブルを推奨します。

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