

PD3041

広範囲動作温度対応 サージ保護デバイス—RJ11 & ツー ワイヤー ターミナル



概要

EtherWANの広範囲動作温度対応サージ保護デバイスPD3041はDSL電話線の構成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

RJ11 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。

+ 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。

+ 簡単設置

DIN-レールと卓上据え置き対応。

仕様

+ 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

RJ11 Connector / Terminal Block

+ 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

+ Electrical

Maximum continuous operating voltage UC
≤185VDC

Maximum continuous voltage UC (Wire-Wire)
≤185VDC

Maximum continuous voltage UC (Wire-Ground)
≤185VDC

Nominal current I_N
≤380mA (25°C)

Operating effective current I_C at UC
≤6μA

RResidual current I_{PE}
≤4μA

Nominal discharge surge current I_n (8/20) μs
(Core-Core)
≤5kA

Nominal discharge surge current I_n (8/20) μs
(Core-Earth)
≤5kA

Total surge current (8/20) μs
10kA

Nominal pulse current I_{an} (10/1000) μs (Core-Core)
≤100A

Nominal pulse current I_{an} (10/1000) μs (Core-Earth)
≤100A

Nominal pulse current I_{an} (10/700) μs (Core-Core)
≤150A

Nominal pulse current I_{an} (10/700) μs (Core-Earth)
≤150A

Output voltage limitation at 1kV/μs (Core-Core)
spike
≤250V

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

$\leq 250V$

Residual voltage at In, (Conductor-Conductor)

$\leq 120V$

Residual voltage at In, (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 ($\leq 8MHz/150\Omega$)

Typ. 0.3dB ($\leq 2.5MHz/600\Omega$)

Near-end crosstalk attenuation

$\leq 35dB$ (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)

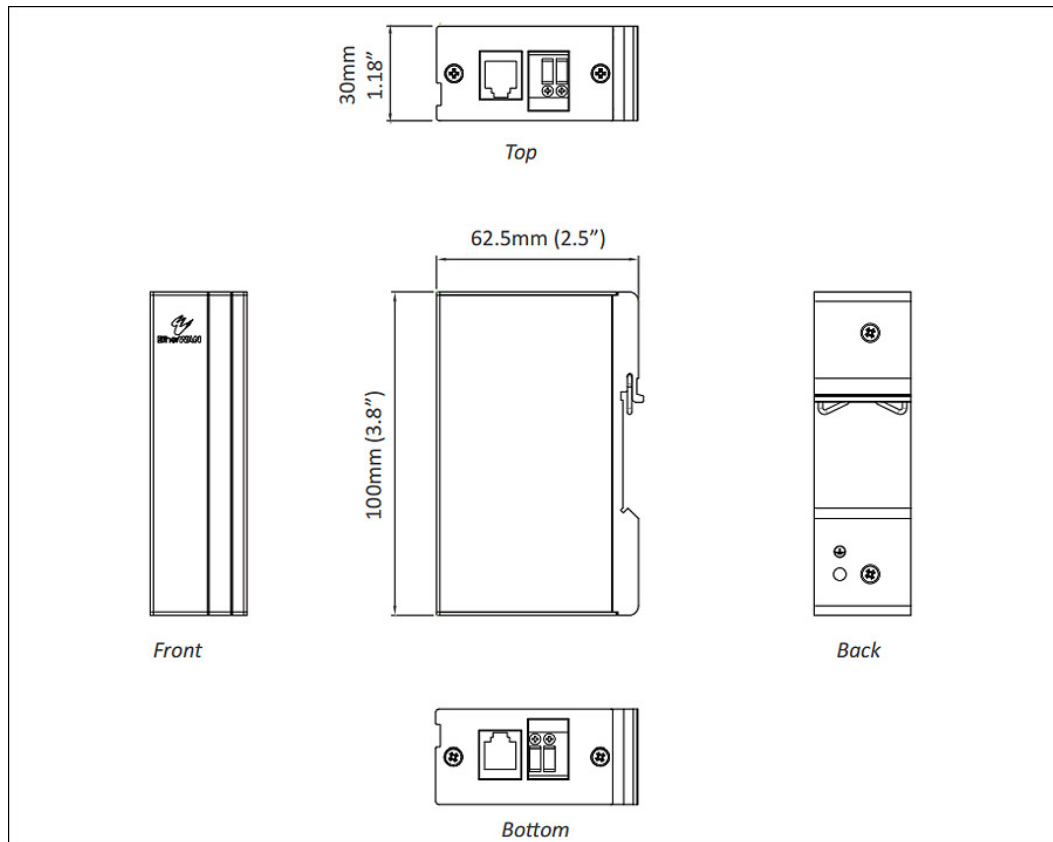
C1 (1kV/500A)

C2 (10kV/5kA) (Terminal Block)

C2 (6kV/3kA) (RJ11)

D1 (1kA)

寸法図



製品型番

+ 型番

PD3041 Hardened Surge Protection Device-RJ11 & Two Wire Terminal Block Type

