

PD3041

強固級湧流保護器- RJ11 & 雙絞線端子台



產品介紹

益網科技的 PD3041 的強固級湧流保護器透過 RJ11 連接器和端子塊提供配對，可保護 DSL 設備免受危險的電湧、接地迴路以及因接線錯誤或閃電引起的放電所影響。PD3041 具有完整的線對線和線對地湧流保護功能，非常適合在電力供應不穩定的區域以及電磁干擾過多的場所使用。應用安裝領域包括室外 IP 攝影機、Access Point 以及屋頂網路機櫃。

EtherWAN — "When Connectivity is Crucial."

產品亮點

+ 強大的電壓突波保護

透過 RJ11 連接器和端子塊提供配對保護

+ 寬工作溫度範圍

工作溫度範圍為 -40 至 75°C，吞吐量低於 100Mbps

+ 有彈性的安裝方式

支援 DIN 導軌式安裝或桌面安裝

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) μs (Core-Core)
 $\leq 150\text{A}$

Nominal pulse current I_{an} (10/700) μs (Core-Earth)
 $\leq 150\text{A}$

Output voltage limitation at 1kV/ μs (Core-Core)
spike
 $\leq 250\text{V}$

Output voltage limitation at 1kV/ μs (Core-Earth)
spike
 $\leq 250\text{V}$

Residual voltage at I_n , (Conductor-Conductor)
 $\leq 120\text{V}$

Residual voltage at I_n , (Conductor-Ground)
 $\leq 120\text{V}$

Voltage protection level UP (Core-Core)
≤300V (B2-100A)
≤300V (C1-500A)
≤300V (C2-5kA)

Voltage protection level UP (Core-Earth)
≤300V (B2-100A)
≤300V (C1-500A)
≤300V (C2-5kA)

Response time t_A (Core-Core)
≤100ns

Response time t_A (Core-Earth)
≤100ns

Input attenuation a_E , sym.
Typ. 0.5dB (≤5MHz)
Typ. 0.3dB (≤8MHz/150Ω)
Typ. 0.3dB (≤2.5MHz/600Ω)

Near-end crosstalk attenuation
≤35dB (At 250MHz/100Ω)

Cut-off frequency f_g (3dB), sym. in 100 Ohm system
Typ. 50MHz

Resistance in series
3.3Ω ±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)

+ 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

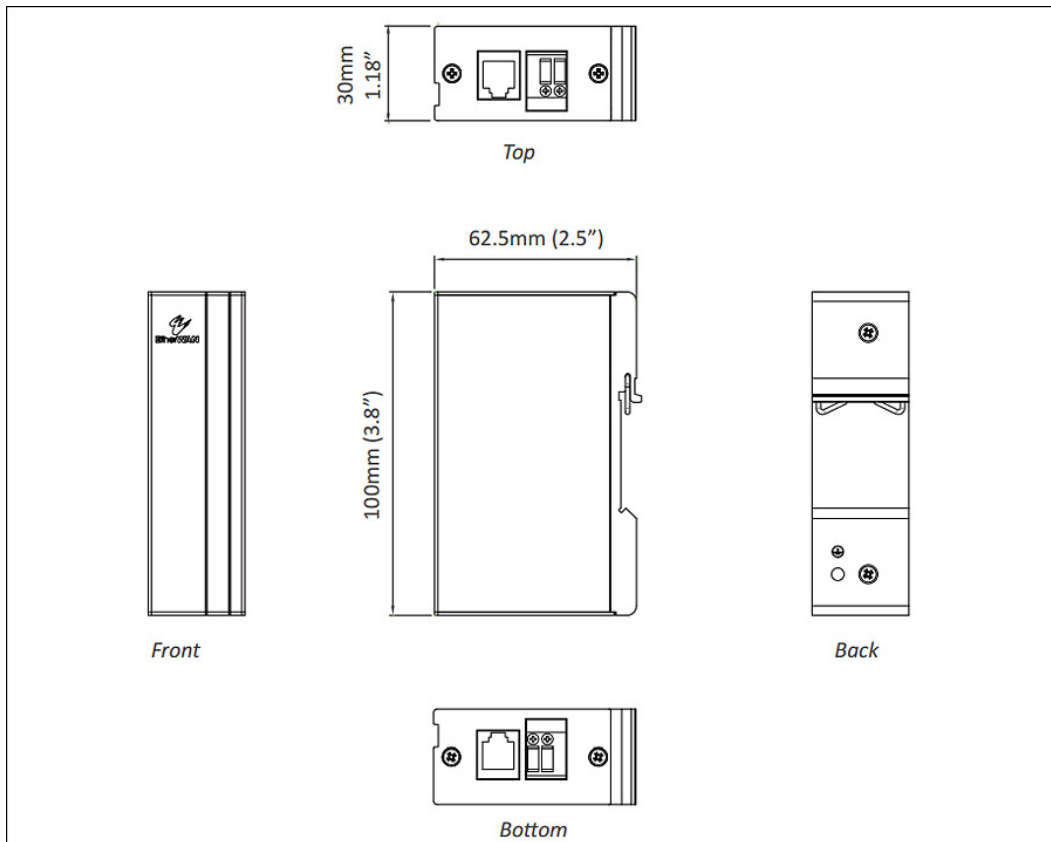
ISO
Manufactured in an ISO 9001 facility

Safety
UL 497B

EMI
CE
FCC Part 15 Class B
VCCI

Industrial Compliance
IEC 61643-21

產品尺寸圖



訂購型號

Model

PD3041

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

