

# 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)  $\mu\text{s}$   
(Core-Core)  
 $\leq 5\text{kA}$

Nominal discharge surge current  $I_n$  (8/20)  $\mu\text{s}$   
(Core-Earth)  
 $\leq 5\text{kA}$

Total surge current (8/20)  $\mu\text{s}$   
10kA

Nominal pulse current  $I_{an}$  (10/1000)  $\mu\text{s}$  (Core-  
Core)  
 $\leq 100\text{A}$

Nominal pulse current  $I_{an}$  (10/1000)  $\mu\text{s}$  (Core-  
Earth)  
 $\leq 100\text{A}$

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

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

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

Output voltage limitation at 1kV/ $\mu\text{s}$  (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

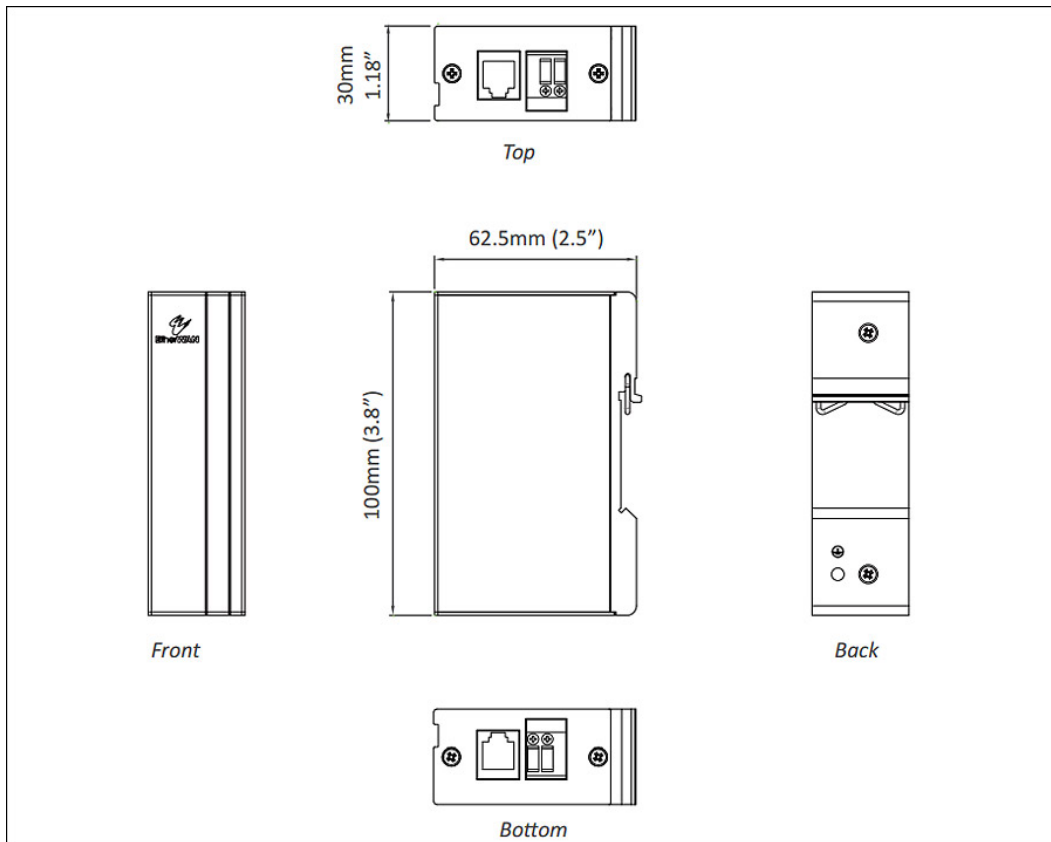
**ISO**  
Manufactured in an ISO 9001 facility

**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



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