PD1044

4-Port Hardened RJ45 Surge Protector

Overview

EtherWAN's PD1044 is a 4-Port Hardened RJ45 PoE-compatible Surge Protector designed to protect Ethernet networking devices from dangerous electrical surges. Designed for harsh environments, the PD1044 can be placed where you need it to protect your valuable network equipment.

Highlights

Protection Solution Against Voltage Surge

Provides pair-to-pair protection through RJ45 connector for Ethernet connections

Hardened Grade

Provides -40 to 75°C operating temperature range for extreme environments

Flexible Installation

Supports DIN-rail or desktop installation

Gigabit Ethernet and PoE Compatible

Pass-through Data and compatible with high power PoE (Power over Ethernet) up to 90W (802.3bt)

Specifications

Electrical

Nominal discharge current Line-Ground (8/20) µs

10KA

Nominal discharge current Line-Ground (10/1000) µs

200A

Nominal discharge current Line-Line(8/20) µs

30A

Clamping Voltage Line-Ground

600V

Clamping Voltage Line-Line

20V

Insertion Loss @ 10MHZ/100MHZ

1db

Return Loss @ 10MHz/100MHz)

-20db

Response Time

5ns

Capacitance Line-Line

≤1PF

Capacitance Line-Ground

≤1PF

Mechanical

Casing

Rugged Aluminum

IP30

Dimensions

40 x 100.5 x 81.55mm (W x H x D)

(1.57" x 3.96" x 3.21")

Weight

320g (0.71lb)

Installation

DIN-Rail or Wall/Panel

Standards

Ethernet Standarad

IEEE 802.3 10Base-T

IEEE 802.3 100Base-TX Fast Ethernet

IEEE 802.3 1000Base-T Gigabit Ethernet

PoE Standard

IEEE 802.3af PoE

IEEE 802.3at PoE+

IEEE 802.3bt PoE++

Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

EMI

CE (EN55032/35

FCC Part 15 Class B

Environmental

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

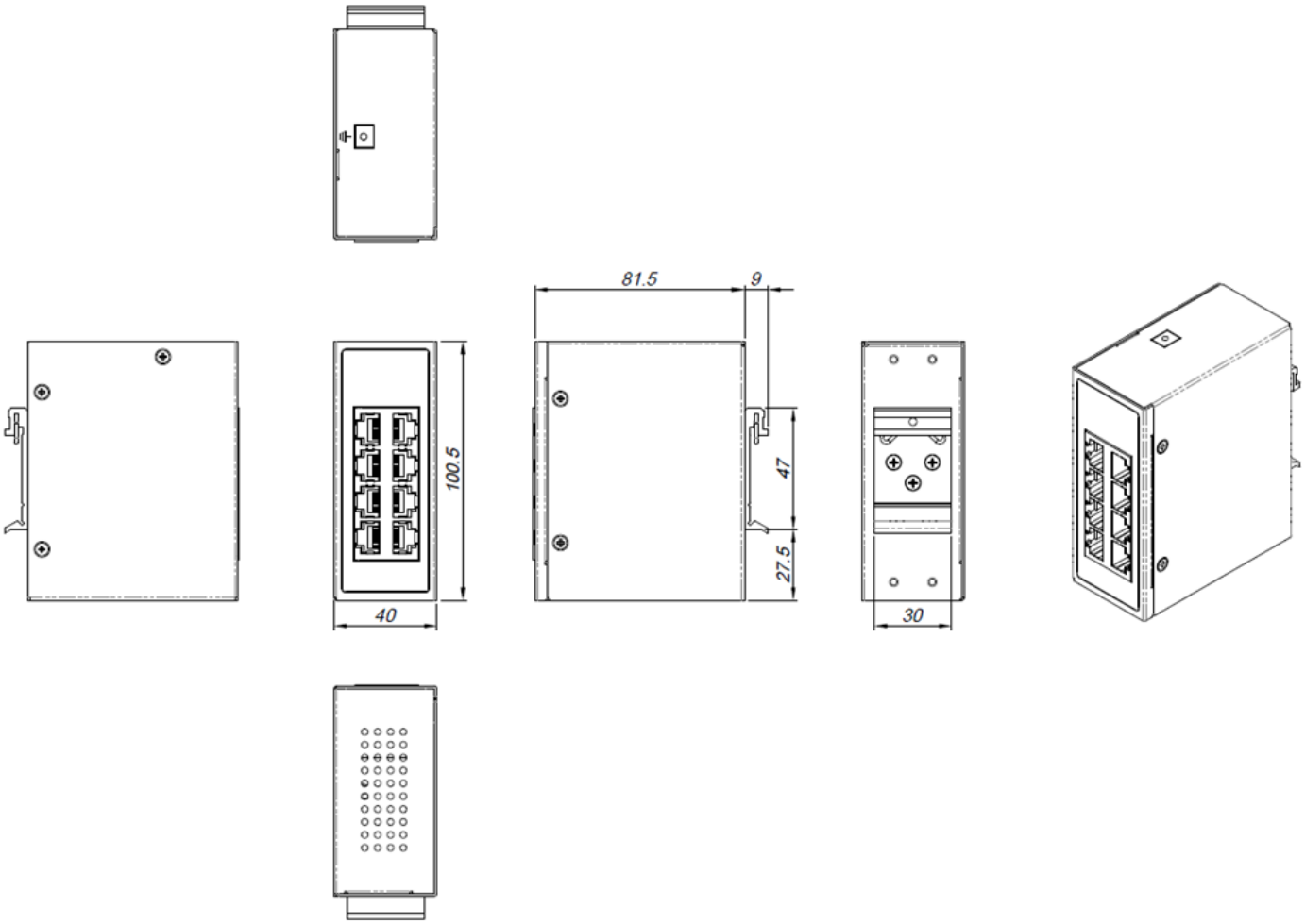
5% to 95% (non-condensation)

MPN

PD1044

1864390

Dimensions



Ordering Info

Model

PD1044	Hardened 4-Port RJ45 Surge Protector

* Note: Cat.6 cable is recommended.

Related Products

EasyLink Series	Preconfigured point-to-point & point-to-multipoint wireless bridge kits up to 2400 Mbps
EasyPoE Series	Complete edge networking solutions - integrated enclosures w/ PoE switch, power supply, & more
EX78900X Series	Hardened Managed 90W Gigabit PoE and 10G SFP+ Ethernet Switches
EX78900H Series	Hardened Managed 90W Gigabit PoE and 1G SFP Ethernet Switches
EX78900G Series	Hardened Managed 90W Gigabit PoE and 1G/2.5G SFP Ethernet Switches
EX78900E Series	Hardened Managed 60W Gigabit PoE and 1G SFP Ethernet Switches

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