

Outdoor Twisted Pair Lightning Surge Protector, 1 Pair 48Vdc, UL 497B



IX-1DC48

Features

- UL 497B certified
- Data protection modules optimized for Ethernet, PoE, RS-232, RS-422, RS-485, T1/E1 or POTS
- DC protection modules optimized for 12Vdc, 24Vdc, 48Vdc, 56Vdc or 72Vdc, available with isolated ground
- IP67 weatherized enclosure
- Pole mount kit available

Applications

- Enterprise networks
- Point to point radios
- PoE equipment
- Telco backhaul
- Internet service providers

Description

Modular data surge protector (also known as lightning arrestor) IX-1DC48 from PolyPhaser utilizing optimized designs for the most common synchronous data protocols that enables effective, weatherized protection for up to five twisted pairs. Protects critical hardware from lightning and other induced transients while remaining transparent to network traffic. Several commonly used configurations are available, while modules are also sold separately to support custom applications.

Electrical Specifications

Ethernet Standard

Modules

Description	Minimum	Typical	Maximum	Units
DC Operating Current			2	A
Series Impedance (DC)		0.05		Ohms
DC Operating Voltage		48		Volts

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge				
Telcordia GR-1089-CORE 10/1000µs			100	A
Turn On Voltage (DC)		56		Vdc

Mechanical Specifications

Size

Length

Width/Diameter

5.25 in [133.35 mm]

2.5 in [63.5 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Outdoor Twisted Pair Lightning Surge Protector, 1 Pair 48Vdc, UL 497B IX-1DC48](#)

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Height	1.09 in [27.69 mm]
Weight	1 lbs [453.59 g]
Configuration	
Connector	Screw Terminal Receptacle

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C

Installation

Mount Type	PCB Mount
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Compliance Certifications

UL Compliance	UL 497B
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Plotted and Other Data

Notes:

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

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