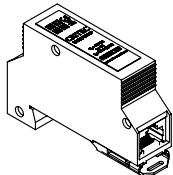


# LANRJ45C6P

## Local Area Network (LAN) Protector

### 1. General



### 2. Introduction

The LANRJ45C6P has been designed to provide protection to Local Area Networks (LAN) from overvoltage surges and electrostatic discharges created by switching transients in buildings. LAN systems are particularly prone to such disturbances because long cable lengths often behave like antennas to such atmospheric disturbances. The product is designed to fulfill all versions of POE applications compatible with IEEE 802.af and IEEE 802.3at.

Application	Product				
	LANRJ45C6	LANRJ45POE	LANRJ45C6P	DEPRS232225D	RTP3034
Ethernet 10/100 - Cat 5e	x	x	x		
Ethernet 100/1000 - Cat 5e/6			x		
Power over Ethernet Mode A		x	x		
Power over Ethernet Mode B		x	x		
12V/ RS232				x	
2-wire 4-20mA loops					x

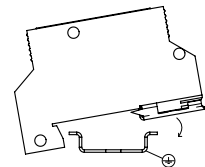
### 3. Quick Installation Overview

1. Mount the LANRJ45C6P onto grounded DIN rail
2. Connect the incoming data line into either port of the LANRJ45C6P
3. Connect the outgoing data line into the remaining open port of the LANRJ45C6P

Technical Data	LANRJ45C6P
Nominal operating voltage	48 VDC
Max. operating voltage	50 VDC
Nominal operating current at 25°C	1 A
Frequency	0 - 250 MHz
Operating temperature	- 40 C ... + 80 C
Degree of protection	IP 20
Housing material	Metal

### 4. Mounting

LANRJ45C6P is designed to clip onto 35mm (top hat) DIN rail (standard EN50022) set in the horizontal position with the securing clips towards the bottom of the rail and the label text facing the correct way up.



#### WARNING:

1. nVent products shall be installed and used only as indicated in nVent product instruction sheets and training materials. Instruction sheets are available at [www.nVent.com](http://www.nVent.com) and from your nVent customer service representative.
2. nVent products must never be used for a purpose other than the purpose for which they were designed or in a manner that exceeds specified load ratings.
3. All instructions must be completely followed to ensure proper and safe installation and performance.
4. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

#### SAFETY INSTRUCTIONS:

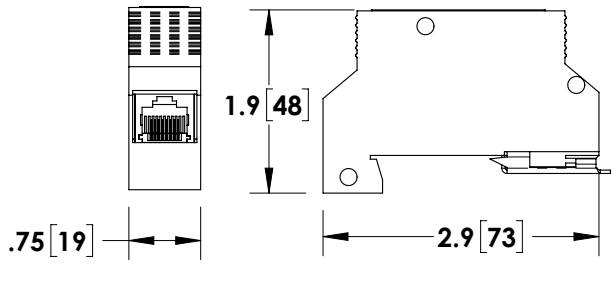
All governing codes and regulations and those required by the job site must be observed. Always use appropriate safety equipment such as eye protection, hard hat, and gloves as appropriate to the application.

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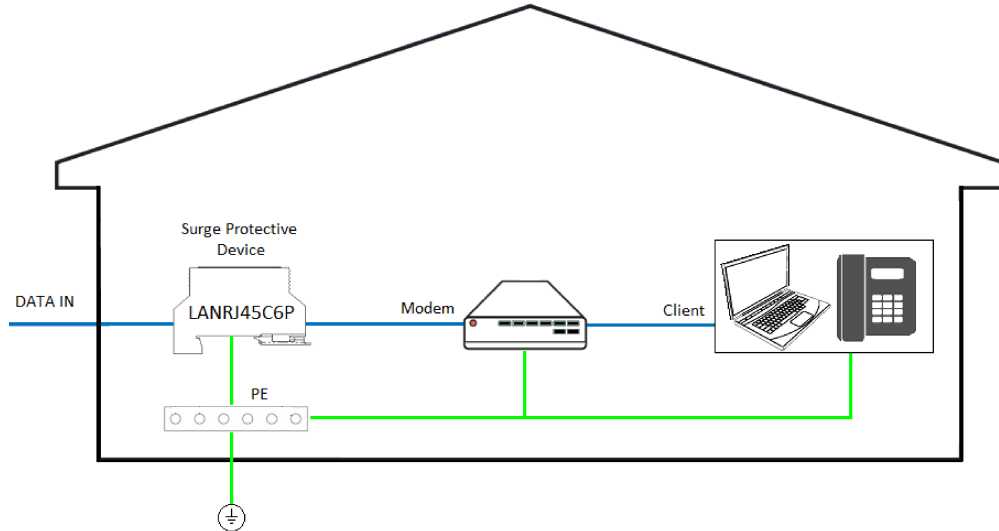
# LANRJ45C6P

## Local Area Network (LAN) Protector

### Dimensions



### Example Application



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