



RJ45 Series

Data/Signal Surge Protection Device

RJ45 Modular Connected, Dual Function Mounting Feet

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The RJ45 Series devices provide superior surge protection for data transmission, control, and signal line circuits.

The RJ45 Line has a multitude of model options to provide protection for RJ45 connected equipment, protecting all 8 wires of signal lines.

The RJ45 Line exclusive removable DIN Mounting Foot easily detaches providing a means of mounting to standard DIN Rail, a cabinet, plate or wall making the RJ45 installation meet the requirements of almost any in field installation with ease.

Superior Features:

- **Multi-Stage Series Wired Surge Protection Device for protection of RJ45 Connected data, signal and PoE type circuits.**
- **25 Years Unlimited Free Replacement Warranty.**
- **UL94-5VA and UL94V-0 Dual Rated ABS Plastic Enclosure.**
- **Standard Dual Purpose Detachable Mounting System provides standard means for both DIN Rail and Surface Mounting Application.**
- **Standard Modular 8 Pin RJ45 Female Connector Input & Output.**
- **Dedicated Component All Mode Protection. L-L (Normal Mode) and each L-G (Common Mode).**

RJ45 Product Model Number Configurator						
Model Family Designator	Nominal Operating Voltages	Maximum Data/Signal Rates	Number of Wire Protected	Standard DIN Dual Mounting System	Optional PoE Level Protection	Revision Code (Standard)
RJ45	##	X	8	DIN	X	- B-21
Standard Model Designator	5 = 5V 12 = 12V 24 = 24V 48 = 48V 75 = 75V* 140 = 140V Other Voltages Available Upon Request. *Common PoE Operating Voltage.	A = 2 Mbps B = 10 Mbps C = 100 Mbps	8 = 8 Pins (All Pins Protected)	Direct snap on to standard DIN Rail or Use Detachable Tab/Foot for Panel Mounting.	Add "POE" for PoE (Power over Ethernet) Circuit Design, leave blank for Standard Data Transmission Circuit Design	"-B-21" Standard for Product Revision Code
Sample Model Number: RJ4575C8DINPOE-B-21 is a RJ45 Series Product, 75V, Up to 100 Mbps, 8 Conductor, DIN, PoE Power /Data Transmission Circuit, Rev B Designator.						

Table of Maximum Suggested Operating Limits, Data Rate & Additional Device Resistance

Nominal System Operating Voltage (Vnom)	RJ45##x8DINX-B-21	Maximum Continuous Operating Voltage (MCOV) - (L-L & L-G)	*Maximum Continuous Operating Current (MCOC)	Maximum Digital/Analog Data Rates & Additional Series Resistance	
				2 Mbps/20 MHz: (x = A) 10 Mbps/100 MHz: (x = B)	100 Mbps/1 GHz: (x = C)
0 > Vnom < 6	RJ455x8DINX-B-21	7.5 Vpk	500 mA for Standard Data Transmission 1.5 A for PoE Data Transmission	5 Ohms per Line (10 Ohms per Pair/Loop)	0 Ohms per Line/Pair/Loop
6 > Vnom < 15	RJ4512x8DINX-B-21	24 Vpk			
15 > Vnom < 33	RJ4524x8DINX-B-21	33 Vpk			
33 > Vnom < 53	RJ4548x8DINX-B-21	56 Vpk			
54 > Vnom < 82	RJ4575x8DINX-B-21	85 Vpk			
83 > Vnom < 140	RJ45140x8DINX-B-21	140 Vpk			

Notes: The "##" designates (5, 12, 24, 48, 75 or 140), the lower case "x" designates Data Rate (A, B or C), and the "X" designates Standard Data Transmission Circuit (Blank) or PoE Power/Data Transmission Circuit (PoE).

