



RJ45 Network Protectors - Terminal

Novaris RJ45 terminal protectors are compliant with 1000BaseT (gigabit Ethernet), CAT6 and power over ethernet applications.

RJ45 - 1CAT6 - [*]

Product Series

Options
Circuits

RJ45-1CAT6

RJ45-8CAT6

RJ45-16CAT6

RJ45-24CAT6

RJ45-1PoE

RJ45-8PoE

RJ45-16PoE

RJ45-24PoE

Electrical Specifications

Connection type		Series	
Modes of protection		Transverse and common modes	
Lines protected		All	
Maximum continuous voltage	U _c	6 VDC	6 VDC
Maximum PoE voltage	U _c	-	80 VDC
Maximum discharge current (8/20μs)	I _{max}	10kA	
Maximum load current	I _L	600mA	
Protection stages		Multistage	Multistage signal, single stage power
Voltage protection level @ 5kV (10/700μs)	U _p	<20V	
Impulse durability		C2 8/20μs, 1.5kA, 10 times	
Overstressed fault mode		Mode 3 (open circuit)	
Insertion loss @ 150Ω		<0.1dB	
Maximum frequency	f _c	250MHz	

Mechanical Specifications

Operating temperature / humidity	-40 to +85°C / 5 to 95% non-condensing							
Connection type	RJ45 socket							
Number of outlets	1	8	16	24	1	8	16	24
Environmental	IP 20							
Mounting	Inline	2RU rack mount			Inline	2RU rack mount		
Enclosure / colour	Aluminium / black							
Weight	200g	1.85kg	1.95kg	2.0kg	200g	1.85kg	1.95kg	2.0kg

Dimensions

Width	26.5mm	483mm			26.5mm	483mm		
Height	27.5mm	89mm			27.5mm	89mm		
Depth	80mm	80mm			80mm	80mm		

Options [*]

DIN rail mounting clip	Included	-			Included	-		
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Refer to page 58 for signalling protocol compatibility

Standards Compliance

100BaseT
1000BaseT
CAT5
CAT5e
CAT6
TIA/EIA 568A
TIA/EIA 568B
AS/NZS 1768
IEEE C62.41
IEC 61643-21