DTK-RM24NETS
Rack Mount Shielded Network Surge Protector

DITEK
® Surge Protection

DITEK's DTK-RM24NETS is a 24-channel, 1U rack mount surge protector that use state-of-the-art circuitry to provide best-in-breed surge protection for shielded Ethernet, PoE and optional PoE extender* circuits. It supports data speeds up to 10GbE, and provides surge protection grounding to remote devices when used with STP cabling. The DTK-RM24NETS is ideal for installations where multiple Ethernet cabling feeds require protection before entering network switches.

Product Features

- Uses SAD and GDT technologies for optimal circuit protection
- Robust 20kA per pair surge current capacity is the highest offered for shielded network devices
- Rapid-replacement modular design allows modules to be swapped from front of device without removing from rack
- PoE Plus, HiPoE ready for high-wattage applications

Applications

- Network Switches, NVR's, PoE Hubs
- Midspans, Injectors, VoIP Systems
- Ethernet & PoE Devices, PoE Extenders

Accessories

- Mix and match rapid-replacement modules to protect Ethernet, PoE and PoE Extender circuits within the same rack mount housing
  - DTK-NETMS – For Ethernet & PoE Circuits
  - DTK-EXTMS – For PoE Extender Circuits

Category	Max Data Speed Transmission	Max Bandwidth	Typical Distance
CAT3	10 Mbps	16 MHz	100 m
CAT5	10 /100 Mbps	100 MHz	100 m
CAT5e	1 Gb	100 MHz	100 m
CAT6	1 Gb	250 MHz	100 m
CAT6A	10 Gb	500 MHz	100 m

Cabling information obtained from TIA-568-C.2

Technical Specifications

Service Voltage:	<60V
Protection Modes:	L-G (All), L-L (All)
Clamping Voltage Common Mode (L-G):	75V
Clamping Voltage Differential Mode (L-L):	7.22V
Surge Current Rating:	20kA/Pair
Max. Continuous Current:	1.5Amps
Power Handling:	144 Watts
Data Rate:	Up To 10GbE

Mechanical Characteristics

Connection Method:	Shielded RJ45 In/Out, 24 Channels
Housing:	Galvanneal
Operating Temperature:	-40°F - 158°F (-40°C - 70°C)
Maximum Humidity:	95% non-condensing
Dimensions:	19"L x 2.75"W x 1.75"H (483mm x 70mm x 45mm)
Weight:	1.67lb (.76kg)

Quality, Standards & Approval

Agency Approvals:	UL497B
Standards Compliance:	CAT5e, EIA/TIA568A, EIA/TIA568B
Warranty:	Ten Year Limited Warranty

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