

DTK-RM12EXTS

Rack Mount Shielded Surge Protection for PoE Extender Circuits



DITEK's DTK-RM12EXTS is a 12-channel, upgradeable, 1U rack mount surge protector designed with state-of-the-art circuitry to provide superior protection for shielded Power over Ethernet Extender Circuits. It supports data speeds up to 10GbE, and provides surge protection grounding to remote devices when used with STP cabling. The DTK-RM12EXTS is ideal for installations with multiple-port mid span injectors and hybrid network scenarios.

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 for modules to be swapped from front of device without removing from rack
- Additional modules can be added to support up to 24-channels
- PoE Plus, HiPoE ready for high-wattage applications

Applications

- Ethernet & PoE Devices, PoE Extenders

Accessories

- Mix and match rapid-replacement modules
 - DTK-EXTMS – For PoE Extender Circuits
 - DTK-NETMS – For Ethernet & PoE Circuits

* DTK-NETMS module required to protect Ethernet & PoE circuits

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

* Cabling information obtained from TIA-568-C.2

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

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): | 72V |
| Surge Current Rating: | 20kA/Pair |
| Max. Continuous Current: | 1.5 Amps |
| Power Handling: | 144 Watts |
| Data Rate: | Up To 10GbE |

Mechanical Characteristics

| | |
|------------------------|-------------------------------------------------|
| Connection Method: | Shielded RJ45 In/Out, 12 Channels |
| Housing: | Galvanneal |
| Operating Temperature: | -40F – 158F (-40C – 70C) |
| 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

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

