

DTK-MRJETHS

Shielded Ethernet Surge Protection



Product Features

- Uses SAD and GDT technologies for optimal circuit protection
- Data speeds up to 10GbE without signal degradation
- Protects all four pairs
- Shielded RJ45 connections with external grounding screw
- Conforms to EIA/TIA standards for data transmission
- Automatically resets to protect against multiple surges

Applications

- Data Networks, IP Video Cameras
- POS Terminals

Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

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

DITEK's DTK-MRJETHS protects shielded data lines to vital business equipment. Its low voltage clamping is ideal for protecting sensitive 5 Volt data circuits. The MRJETHS is compatible with CAT5e, CAT6 and CAT6A cabling infrastructure, and is suitable for use on any piece of networked equipment. When used with STP cabling, the DTK-MRJETHS does not require a separate earth ground.

Technical Specifications

Service Voltage:	<5V
Protection Modes:	L-G (All), L-L (All)
Clamping Voltage Common Mode (L-G):	75V
Clamping Voltage Differential Mode (L-L):	6.4V
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
Housing:	ABS
Operating Temperature:	-40F – 158F (-40C – 70C)
Maximum Humidity:	95% non-condensing
Dimensions:	3.0"L x 1.7"W x 1.2"H (76mm x 43mm x 30mm)
Weight:	4oz (113g)

Quality, Standards & Approval

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

