

DTK-MRJPOES

Shielded Power over Ethernet Surge Protection



Product Features

- Uses SAD and GDT technologies for optimal protection
- Data speeds up to 10GbE without signal degradation
- PoE Plus, HiPoE ready for high-wattage applications
- Shielded RJ45 connections with external grounding screw
- Complies with IEEE Std. 802.3af and 802.3at for PoE

Applications

- PoE IP Cameras, NVR's, Wireless Access Points
- Traffic Cameras and Control Cabinets
- Power over Ethernet Devices

Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

Category	Max Data Transmission Speed	Max Bandwidth	Typical Distance
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-MRJPOES is designed with state-of-the-art circuitry to provide superior protection for Shielded Power over Ethernet connections. This point of use surge protector is compatible with CAT5e, CAT6 and CAT6A cabling infrastructure, and can be installed at the equipment end, or ahead of injectors and midspan devices. When used with STP cabling, the DTK-MRJPOES does not require a separate earth ground.

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:	1.5 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
Certifications:	FDOT APL # 620-004-009
Warranty:	Ten Year Limited Warranty

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