

DTK-MRJPOES

Shielded Gigabit Power over Ethernet Surge Protection



Product Features

- Uses SAD and GDT technologies
- Shielded RJ45 connection with external grounding screw
- Gigabit Ethernet data speed without signal degradation
- Compatible with CAT5e, CAT6 and CAT6A cabling infrastructure
- Complies with IEEE Std. 802.3af and 802.3at for PoE
- PoE Plus, HiPoE ready for high-wattage applications

Applications

- PoE IP Cameras, NVR's
- Wireless Access Points
- Power over Ethernet Devices

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

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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 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. Its multi-stage, hybrid design provides superior protection for all your Ethernet devices.

Technical Specifications

Service Voltage:	48V
MCOV:	64V
Clamping Voltage:	72V
Protection Modes:	Line-Ground (All) Line-Line (All)
Surge Current Rating:	20kA/Pair
Max. Continuous Current:	1.5 Amps
Power Handling:	144 Watts
Data Rate:	1000 Mbps

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

