

DTK-MRJPOEX

Shielded Gigabit Power over Ethernet Surge Protection for Outdoor Applications



Product Features

- Uses SAD and GDT technologies
- Shielded RJ45 connections
- NEMA 4X enclosure for outdoor locations
- 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

- Outdoor Ethernet Equipment
- PoE Cameras
- Wireless Access Points
- Power over Ethernet Devices

Accessories

Field replaceable module- DTK-VM45POE

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

DITEK's DTK-MRJPOEX protects externally mounted Power over Ethernet devices. The NEMA 4X enclosure, with Liquid-Tight Cordgrips provide a watertight connection when installed in harsh/outdoor environments. When used with STP cabling, the DTK-MRJPOEX does not require a separate earth ground. Its multi-stage, hybrid design provides superior protection for all your Power over 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:	Polycarbonate, NEMA 4X
Operating Temperature:	-40F – 158F (-40C – 70C)
Maximum Humidity:	95% non-condensing
Dimensions:	5.7"L X 2.54"W x 1.56"H (144.8mm x 64.5mm x 39.6mm)
Weight:	8oz (228g)

Quality, Standards & Approval

Agency Approvals:	UL497B DTK-VM45POE UL508A Housing
Standards Compliance:	CAT5e, EIA/TIA568A, EIA/TIA568B
Warranty:	Ten Year Limited Warranty

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

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