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Product Datasheet

Part Code: 10-150-001-09-PoE / 10-150-001-09-PoE-IP67

8 Port M12 Unmanaged PoE Switch

Key Features

- Each port supports both 10/100 Mbps speed auto negotiation
- 8 PoE ports with Power Sourcing Equipment (PSE) operation
- Over-temperature, over-current and over/under-voltage detection
- 8-port 10/100 Mbps M12 type connector with IP40 protection
- Full duplex IEEE 802.3x and half duplex backpressure flow control
- EN50155/50121-3-2/50121-4, and NEMA TS2 compliant
- Automatic MDI/MDI-X crossover for plug-and-play
- Store-and-forward architecture
- Auto-detection of PD and automatic power management
- Supports operating temperatures from -40 °C ~ +75 °C

The 10-150-001-09-PoE is designed for industrial applications in harsh environments. The M12 connectors ensure tight, robust connections, and guarantees reliable operation, even for applications that are subject to high vibrationand shock.

The 10-150-001-09-PoE switch provides 8 fast Ethernet M12 ports with 8 IEEE 802.3af compliant PoE ports. The switch is classifi ed as power source equipment (PSE) and provide up to 15.4 W of power per port.

The Ethernet switch supports IEEE 802.3/802.3u/802/3x with 10/100M, full/half-duplex, MDI/MDI-X auto-sensing, and provides an economical solution for your industrial Ethernet network.

The 10-150-001-09-PoE provides a wide +12 VDC ~ +53 VDC power range to fit all the common power standards found in industrial automation, without external power converters. The wide power input lowers installation and maintenance costs.

Specifications

	10-150-001-09-PoE	10-150-001-09-PoE-IP67
PoE	802.3af x 8	802.3af x 8
Input Voltage Range	+46 VDC ~ +53 VDC	+46 VDC ~ +53 VDC
Operating Temperature	-40 °C ~ +75 °C	-10 °C ~ +60 °C
Casing	Metal with IP40	Plastic (Flammability UL 94V-0) with IP67
Installation	Wall Mounting	DIN-Rail Mounting or Wall Mounting
Dimensions (W x L x H)	190 mm x 56 mm x 100 mm	190 mm x 155 mm x 104 mm

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Specifications.....continued

Technology	Standards	IEEE 802.3, 802.3u, 802.3x, 10/100 Base-T(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection
	Processing Type	Store & forward
	MAC Addresses	1024
	Memory Bandwidth	3.2 Gbps
	Frame Buffer Memory	512 Kbit
	Flow Control	IEEE 802.3x fl ow control, back pressure fl ow control
Interface	LED Indicators	PWR, Link/Act, Power Device is detected
	Ethernet Isolation	1500 Vrms 1 minute
	Connector	Female 4-Pin shielded M12 D-coding connector x 8
Power Input	Input Voltage Range	+46 VDC ~ +53 VDC
	Power Consumption	0.12 A @ 48 VDC without PD loading 3.0 A @ 48 VDC with PD full loading
	Protection	Power reverse polarity protection
	Connector	Male 5-Pin shielded M12 A-coding connector x 1
PoE Technology	PoE Compliance	100% IEEE 802.3af compliant
	PoE Calassification	PSE (Power Sourcing Equipment)
	PoE Voltage	+48 VDC depending on power input
	PoE Power	Up to 15.4 W per port
	PoE Operation	Automatic detection and power management
	PoE Pin Assignments	V+ (Pin 1, 2), V- (Pin 3, 6)
	PoE Disconnect Mode	DC disconnect
Mechanical	Casing	Metal with IP40
	Dimensions (W x L x H)	190 mm x 56 mm x 100 mm
	Installation	Wall Mounting
Environmental	Operating Temperature	-40 °C ~ +75 °C
	Storage Temperature	-40 °C ~ +85 °C
	Ambient Relative Humidity	10 ~ 95% RH, non-condensing

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