

Product No: 108M12-HV

RED LION ETHERNET SWITCH UNMANAGED 8 PORTS IP67 108M12-HV

FEATURES

- Cable gland with a gland size of 25 and M25 thread size
- Metric thread standard with a pitch of 1.5
- Clamping range from 11.10 mm to 20.00 mm
- Equipped with PVC shroud type PVC09
- Operating temperature range from -60 °C to +130 °C
- IP66 rated for dust and water ingress protection
- Constructed from nickel-plated brass material
- Suitable for unarmoured cables and cables with wire-braid armouring
- Threaded mounting option for secure installation



General Information

Brand	RED LION
Product Type	Unmanaged
Series	ANT

Technical Attributes

Current Consumption (mA)	250 at 24VDC
No. of Ethernet Ports	8
Nominal Power (W)	10
Port Quantity and Type	8 x 10/100BASE-TX with M12 D-Coded Style Connectors
Rated Operational Voltage DC (V)	10 - 60
Switch Type	Switch - Unmanaged

Physical Attributes

DIN Rail Width (mm)	35
Maximum Temperature (°C)	85
Minimum Temperature (°C)	-40

Operational Temperature Range (°C)	-40 to +70
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Dimensions

Dimensions (mm)	169H x 169W x 46D
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Protection & Standards

Degree of Protection	IP67
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Standards and Approvals	ATEX/IECEx
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Resources

Product catalogue (Flipbook)	Download from here
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DIMENSIONS

108M12-HV Industrial Ethernet Switch

N-Tron Networking Series



▶▶▶ IP67 Rated Unmanaged Industrial Ethernet Switch

The N-TRON® 108M12-HV is an IP67-rated unmanaged industrial Ethernet switch. It is housed in a hardened metal bulkhead-mountable enclosure, rated for protection against dust, low/high pressure water jets and temporary immersion in water. This switch offers eight 10/100BaseTX ports with M12 D-coded connectors and is designed for use in mission critical Railway, data acquisition, control, and Ethernet I/O applications.

PRODUCT FEATURES

- Unmanaged Operation
- IP67 Rated Hardened Metal Enclosure
- Bulkhead Mountable (Optional DIN-Rail mounting)
- Dustproof
- Protection against low/high pressure water jets
- Temporary immersion in water
- EN50155 for Railway applications
- Eight 10/100BaseTX Ports
- M12 D-Coded Female 4 Pin Connectors
- Extended Environmental Specifications
 - -40°C to 70°C Operating Temperature
 - >2M Hours MTBF
- Store-and-Forward Technology
- Supports Full/Half Duplex Operation
- Up to 1.6 Gb/s Maximum Throughput
- MDIX Auto Sensing Cable
- Auto Sensing Speed and Flow Control
- Full Wire Speed Communications
- Redundant Power Inputs (10-60 VDC)
- ESD Protection Diodes on all Ports
- Surge Protection Diodes on Power Inputs
- LED Link/Activity Status Indication

PRODUCT OVERVIEW

The 108M12-HV industrial IP67 rated Ethernet switch is designed to meet the most demanding industrial communications requirements while providing high throughput and minimum downtime.

The 108M12-HV provides eight auto sensing 10/100BaseTX ports with M12, D-coded, 4 pin, female, style connectors. All ports are full/half duplex capable, using "state of the art" Ethernet switching technology. The 108M12-HV auto-negotiates the speed and flow control capabilities of the eight TX port connections, and configures itself automatically.

Since the 108M12-HV is auto sensing, there will be no need to make extensive wiring changes if upgrades are made to the host computers, plant systems, or Ethernet I/O modules.



The switching fabric simply scales up or down automatically to match specific network environments.

The 108M12-HV supports up to 2,000 MAC addresses, enabling these products to support extremely sophisticated and complex network architectures.

For applications requiring IP67 protection, the 108M12-HV is an ideal candidate for upgrading existing hubs and repeaters to increase bandwidth and determinism by virtually eliminating network collisions. The 108M12-HV is an affordable network solution and maintains the plug & play simplicity of the unmanaged hub.

The 108M12-HV can simplify plant wiring by eliminating the need to bring data acquisition and control network connections back to a climate controlled environment. The 108M12-HV has extended operating environmental specifications to meet the harsh needs of industrial environments. For cost savings and convenience this network switch can be bulkhead or DIN-Rail mounted alongside other waterproof industrial equipment.

To increase reliability the 108M12-HV provides dual redundant power inputs of 10-30 VDC or 10-60 VDC with high voltage option. LEDs are provided to display the link status and activity of each port.

industrial
networking