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Find the *Acromag EIS-358* at our website: ***Click HERE***

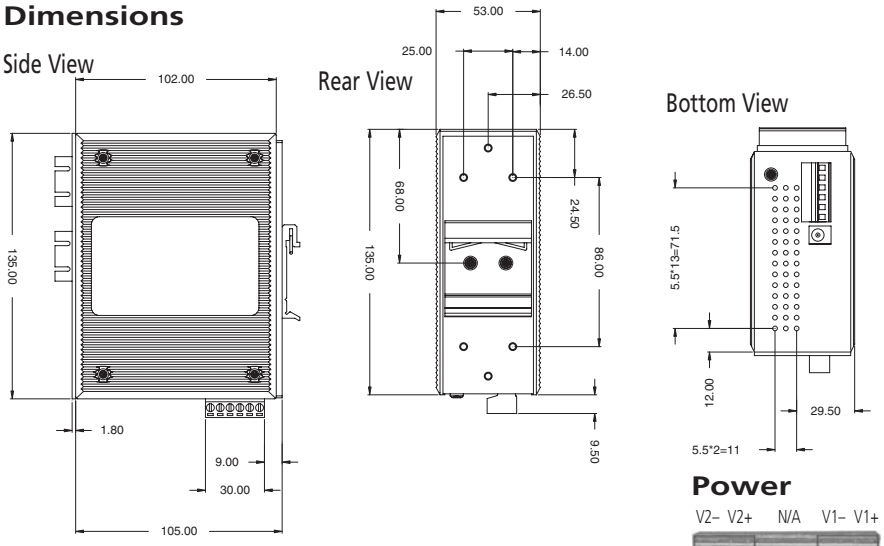
10/100Base-T(X)



EIS-358 Ethernet Industrial Switch

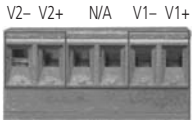
8-Ports, Unmanaged with Redundancy

Dimensions



Dimensions in millimeters.

Power



Description

The EIS-358 is an 8-port unmanaged redundant Ethernet switch, specially designed for industrial applications. This DIN rail switch supports a plug-n-play redundant communication ring and also has redundant DC power inputs. A relay output provides alarms for media or power failures. To meet the requirements of your harsh environment, the EIS-358 features a rugged aluminum case offering IP30 standard protection.

Redundant Ring Recovery Time < 300ms

A critical criteria for industrial automation applications is the ability to ensure non-stop system operation. If a minor failure in the communication process occurs, you could suffer substantial damage in terms of extra time and monetary losses. EIS-358 Series switches are your ultimate solution. With self-healing redundant ring technology, the EIS-358 provides you with an automatic self-recovery mechanism. If any segment of your primary communication path is broken or disconnected, redundant ring technology allows this switch to self-reconfigure and to provide a redundant path in the network. With ultra-fast recovery time (less than 300ms), your mission-critical applications are protected from any network interruptions or temporary malfunctions. You won't even notice a network failure.

Alarm Relay Output

The EIS-358 has a built-in alarm relay contact to signal power or media failures. This relay output function forms a short circuit when power fails or a port link breaks. It will automatically form an open circuit when a port link or power input resumes. The EIS-358 also uses the relay output to trigger your warning system and inform your maintenance engineers of the problems.

Network Communication

8-port Copper 10Base-T / 100Base-TX switch

IEEE 802.3, 802.3u compliance

IEEE 802.3x flow control on full-duplex, back pressure on half-duplex

Power Requirement

12 to 48V DC supply (4.6 Watts) required

Approvals

CE marked. UL, cUL listed.

Special Features

Rugged Industrial-Grade

- Fast redundant ring technology (<300mS)
- Extended operating temperature -10 to 70°C
- Alarm relay output for media/power failure
- Port-to-port isolation (1200V AC)
- Resists shock, vibration, and free-fall impacts
- Built-in RFI/EMI and surge/transient protection
- Rugged IP30 aluminum enclosure
- Wide-Range, redundant DC-power with reverse polarity protection
- Includes DC input jack for AC/DC wall transformer power
- Quick disconnect plug terminals
- Supports DIN rail, wall, or surface mounting
- 5-year warranty

High-Performance

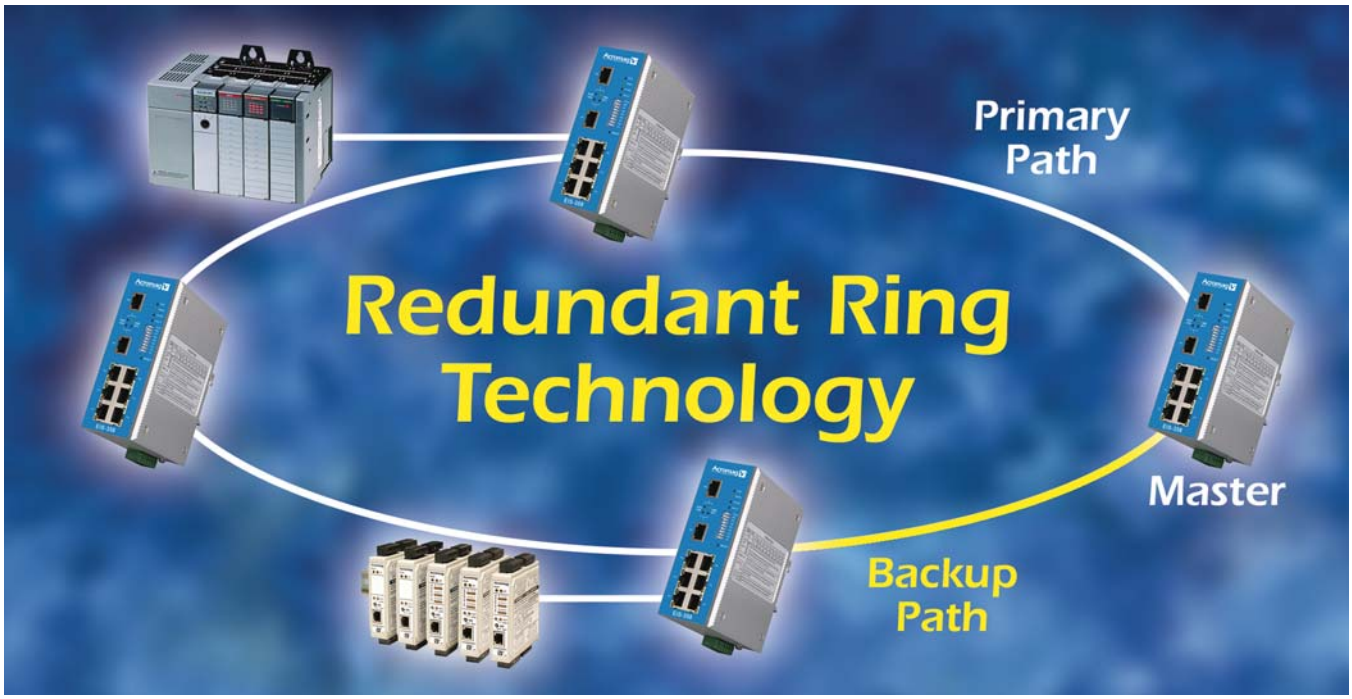
- 1.19 Mpps transmission rates for eight active ports at 100Base-TX
- Store-and-forward operation with 1 Mbit memory buffer and 2K MAC address table
- Auto MDI/MDI-X on each port

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Ethernet Industrial Switch



Performance

Ethernet Interface

Connectors
Eight shielded RJ-45 sockets, 8-pin, 10BaseT/100BaseTX.

Standards
IEEE 802.3 10BaseT Ethernet.
IEEE 802.3u 100BaseTX Fast Ethernet.
IEEE 802.3x Flow Control and Back Pressure.

Protocols
CSMA/CD.

Technology
Non-blocking, store-and-forward switching architecture.

Transmission Rate
14880 pps for 10Base-T, 148800 pps for 100BaseTX.

Transfer packet size
64 bytes to 1522 bytes (with VLAN tag).

Packet Throughput
1.19 Mpps with 64 bytes/packet and 8 active ports.

MAC Address Table Size
2K MAC address table.

Memory Buffer
1 Mbits.

LEDs
Per port: Green Link/Activity, Orange/Yellow Full-Duplex/Collision.
Per unit: Green Power, Power 1, and Power 2. Orange Fault, and green Ring Master.

Network Cables
10BaseT: Twisted-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m maximum).

100BaseT(X): twisted-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m).

Backplane
1.6 Gbps.

Relay Alarm Current/Voltage
Up to 1A and 24V DC.

Environmental

Port Isolation
Port-to-port isolation of 1200V AC.

Ambient Temperature
Operating: -10 to 70°C (14 to 158°F).
Storage: -40 to 85°C (-40 to 185°F).

Relative Humidity
Operating: 5 to 95%, non-condensing.
Storage: 5 to 95%, non-condensing.

Power Supply
12 to 48 VDC, redundant dual DC power inputs with reverse polarity protection and a removable terminal block.

Power consumption
4.6 Watts.

Installation
DIN-Rail kit (attached) and wall mounting plate (included accessory).

Electromagnetic Interference Immunity (EMI)
FCC Class A.

Electromagnetic Compatibility (EMC)
EN61000-4-2, EN61000-4-3, EN-61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11.

Safety
UL, CUL, CE/EN60950, IP-30.

Stability
IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration).

Ordering Info

Models

EIS-358
Ethernet switch with redundancy, 8-port

Accessories

5035-355
Ethernet cable, CAT5, 3 feet long

5035-360
Crossover cable for module configuration, CAT5E, 5 feet long, shielded

PS5R-D24
Power supply (24V DC, 2.1A)

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