



Color: ■ black

This unmanaged industrial ETHERNET switch (852-111) has five Fast ETHERNET ports for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration and shock resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation, saving time and money during commissioning.

Features:

- 5 ETHERNET ports 10/100 Mbit/s Autonegotiation
- Front-panel diagnostic LEDs
- Supports Auto-MDI/MDI-X functions
- Full/half-duplex transfer modes for each port
- Store-and-forward switching method
- Integrated address look-up table, supports 2000 absolute MAC addresses
- Overvoltage protection
- Data flow control, per IEEE 802.3x Flow Control, in full-duplex mode
- DIN-35 rail mounting

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 100 Mbit/s ports	5
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control
MAC table (size)	2000 addresses
Jumbo frame size	1536 bytes
Supply voltage	18 ... 30 VDC
Power consumption (max.)	3 W
ESD (contact/air discharge)	4 KV / 8 KV
Baud rate	Copper cable: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5 or higher, 100 m maximum cable length
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT port 1 ... 5

Connection data

Connection technology: communication/fieldbus	Copper cable: 5 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-433/001-000; included female connector (MCS Connectors): 231-103/026-000

Physical data

Width	23.4 mm / 0.921 inches
Height	109.2 mm / 4.299 inches
Depth	73.8 mm / 2.906 inches
Depth from upper-edge of DIN-rail	81 mm / 3.189 inches

Mechanical data

Weight	302 g
Color	black
Housing material	Sheet steel

Environmental requirements

Ambient temperature (operation)	-40 ... +70 °C (UL max. +60 °C)
Ambient temperature (storage)	-40 ... +80 °C
Protection type	IP30
Relative humidity (without condensation)	95 %
Mounting type	DIN-35 rail
Vibration resistance	per IEC 60068-2-6
Shock resistance	per IEC 60068-2-27
Fire load	5.28 MJ

Commercial data

Product Group	27 (special components I/O)
eCl@ss 10.0	19-17-01-30
eCl@ss 9.0	19-17-01-06
ETIM 8.0	EC000734
ETIM 7.0	EC000734
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	TW
GTIN	4045454847593
Customs tariff number	85176200000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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