

**RoHS
Compliant**



Features

- Cost-effective connectivity - economical way to integrate devices into a fibre optic network
- Plug and play integration - simple, targeted setup
- Allows for extended range and reliability of fibre optics
- Easy transition - bridge legacy devices and newer fibre optic infrastructure
- Industrial temperature range: -40°C to +80°C/-40°F to +176°F - works in extreme conditions
- Jumbo Frame support up to 9K frames
- Integral DIN mount
- SFP Port Power Overcurrent protection

Specifications

Connectors

Screw Terminals	3.5mm pitch, #22 - #14, 0.5mm ² -2.5mm ² pin power supply
Wire Thickness	0.15inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, 0.14mm ² to 1.3mm ²

Power Supply

Power Consumption	3.3W
Power Supply input	Unregulated +5V to +30V DC, reverse polarity protection
Isolation	1500VRMS Magnetic Isolation from Twisted Pair Ethernet

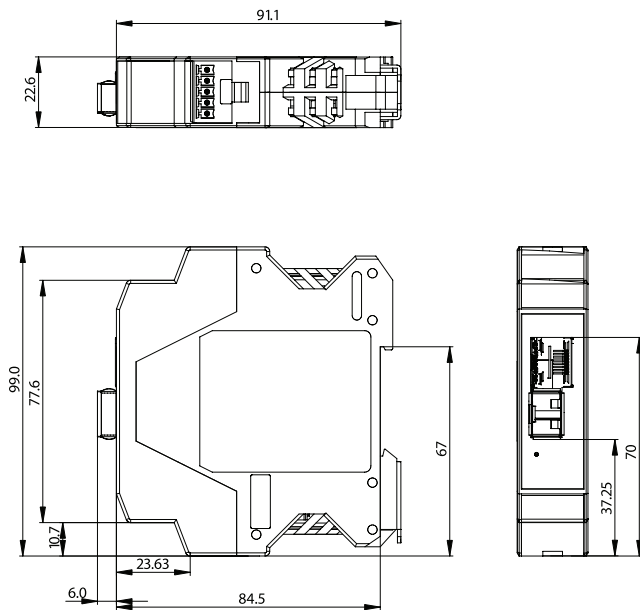
Environmental

Operating Temperature	-40°C to +80°C / +40°F to +176°F
Storage Temperature	-40°C to +80°C / +40°F to +176°F
Ambient Relative Humidity	5 to 95% (non-condensing)
SFP/Power Led	Magjack LEDs
Power on: Green	Solid: Connection established
SFP plugged in: Amber	Flashing: Data communication

SFP activity: Amber Flashing SFP Error/Incompatible: Green/Amber Flashing	<div data-bbox="903 1487 1171 1626" data-label="Diagram"> </div> <p>Speed Yellow: 1000Mbps Green: 100Mbps</p>
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Ethernet	1 x RJ45 jack, 10/100/1000Mbps autosensing, crossover auto sensing (Auto MDIX), 1 x SFP 1000BASE-X Port
Protection	1,500 Volts magnetic isolation between ports
Housing	IP-20 rated non-conducting polyamide case

Diagram



Power Terminal Pin Outs

Pin	Function
1	-V
2	+VA
3	+VB
4	-V
5	Functional Earth

Ethernet Ports × 1 Pin Outs

PIN	Function
1	TxRxA+
2	TxRxA-
3	TxRxB+
4	TxRxC+
5	TxRxC-
6	TxRxB-
7	TxRxD+
8	TxRxD-

Part Number Table

Description	Part Number
Industrial Gigabite SFP media Converter, 3.3 W	MP-581

Dimensions : Millimetres

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