

Features

- Industrial SFP Gigabit Ethernet Switch
- Wide voltage input range: +5V to +30V DC - can be powered by a variety of sources
- Industrial operating temperature range: -40°C to +80°C/-40°F to +176°F - works in extreme conditions
- Jumbo Frame support upto 9K frames
- SFP Port Power Overcurrent protection

Industrial Gigabit SFP Media Converter DIN Rail Mountable

RS Stock No.: 2824457



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tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

- Industrial Gigabit SFP Media Converter. Cost-effective connectivity – economical way to integrate devices into a fibre optic network. Scalability: Combine with other switches in the range to create a comprehensive and future-proof network solution. Galvanically Isolated Ethernet Ports. Automatic detection of data transmission speed: 10/100/1000 Mbps. Industrial temperature range of -40°C to +80°C (-40°F to 176°F) and dual input redundant power supply with wide voltage range means it can be powered from USB or on the 24V factory floor. Power terminal is removable with numbered pins for easy wiring. Power consumption is optimised based on the status of the link device. No software required. Ideal for factory floor, in vehicle and marine applications.

General Specifications

| | |
|------------------------------------|---|
| Switch Type | DIN Rail; Industrial Gigabit SFP Media Converter |
| Number of Ports | 1 |
| Protocol Type | Ethernet 10/100/1000Mbps |
| Transmission Length | 100m |
| Transmission Speed | 10/100/1000 Mbit/s |
| RJ45 Ports | 1 |
| Number of Fibre-Optic Ports | 1 |
| Number of RS-232 Ports | 0 |
| Number of RS-485 Ports | 0 |
| Number of USB Ports | 0 |
| Port Selection | Auto MDI/MDIX |
| Housing | IP20 Non-conducting polyamide case; Plastic |
| LED Indicators | Connection established, Data Comms, Speed |
| Special Features | Dual Redundant Power |
| For Use With | Control Cabinets; Ethernet Network; DIN Rail Control Cabinets |

Electrical Specifications

| | |
|-------------------------------|------------------------------------|
| Maximum Supply Voltage | 30VDC |
| Nominal Supply Voltage | - |
| Minimum Supply Voltage | 5VDC |
| Power Consumption | 3.6W Max: 720mA@+5VDC/120mA@+30VDC |

| | |
|-------------------------------------|--|
| Compatible USB Cable Version | n/a |
| Electrical Connection | Easy wire removable 5-way terminal block |
| MTBF | 750000h |

Mechanical Specifications

| | |
|----------------------------|----------------------|
| Mounting | DIN-Rail |
| Packaged Dimensions | 160mm x 135mm x 49mm |
| Depth | 97.1mm |
| Height | 99mm |
| Width | 22.6mm |
| Weight | 90g |

Operation Environment

| | |
|--------------------------------------|----------------------------|
| Maximum Operating Temperature | -80°C |
| Minimum Operating Temperature | -40°C |
| Storage Temperature | -40 to 85°C (-40 to 185°F) |
| Relative Humidity | 5% to 95% non-condensing |

Protection Category

| | |
|------------------|------|
| IP Rating | IP20 |
|------------------|------|

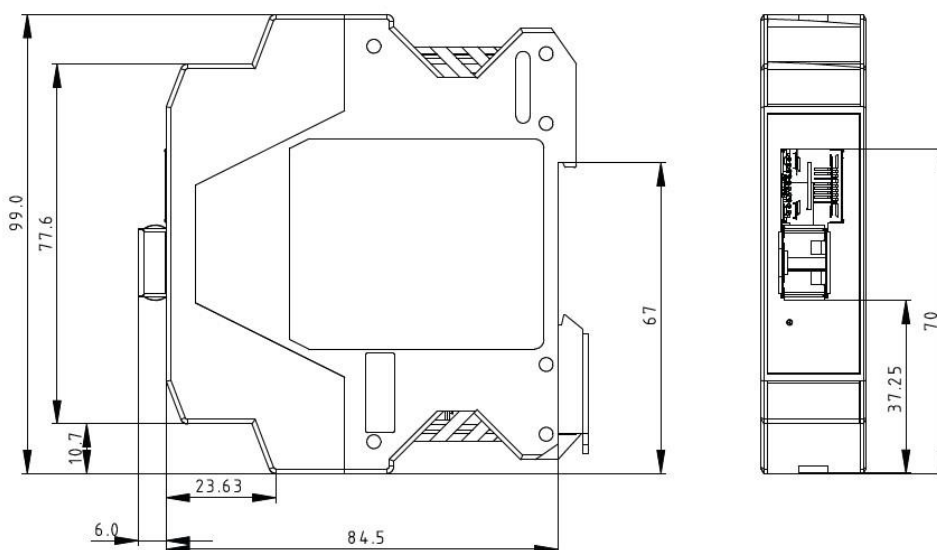
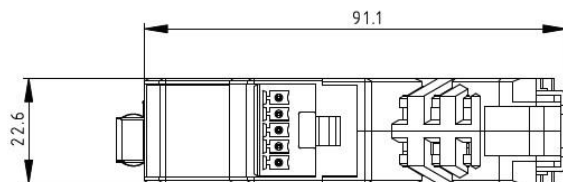
Classification

| | |
|-----------------------|--|
| eCl@ss Version | |
| UNSPSC Version | |

Approvals

| | |
|----------------------------------|-------------------------------|
| Compliance/Certifications | CE / UKCA / WEEE/ RoHS/ REACH |
| Declarations | METL Complies with UL62368-1 |

OPTIONAL ACCESSORIES / DIMENSIONAL DIAGRAM / ORDERING INFORMATION



Power Terminal Pin Outs

| PIN | FUNCTION |
|-----|------------------|
| 1 | -V |
| 2 | +VA |
| 3 | +VB |
| 4 | -V |
| 5 | Functional Earth |

Ethernet Ports x1 Pin Outs

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