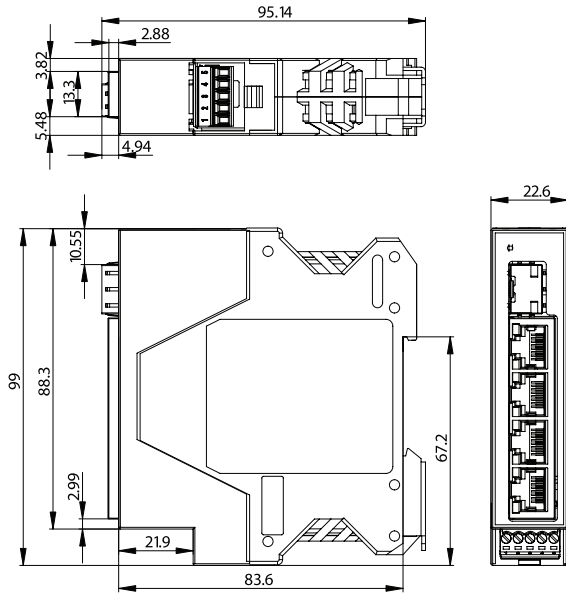# Industrial Ethernet Switch

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Features

- Fast, low cost, future-proof way to deploy long network segments
- Connect to wide variety of fibre optic and copper cable types
- High speed data connection over extended distances
- Reduce susceptibility to electromagnetic interference
- Industrial temperature range: -40ºC to +80ºC/-40ºF to +176ºF - 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	4.2W
Power Supply input	Unregulated +5V to +30V DC, reverse polarity protection
Isolation	1500VRMS Magnetic Isolation from Twisted Pair Ethernet
Environmental	
Operating Temperature	-40ºC to +80ºC / +40ºF to +176ºF
Storage Temperature	-40ºC to +80ºC / +40ºF to +176ºF
Ambient Relative Humidity	5 to 95% (non-condensing)
SFP/Power Led	Magjack LEDs
Power on: Green	Connection established
SFP plugged in: Amber	Data communication
SFP activity: Amber Flashing SFP Error/Incompatible: Green/Amber Flashing	Speed Yellow: 1000Mbps Green: 100Mbps
Ethernet	
Ethernet Port	4 x RJ45 jack, 10/100/1000Mbs autosensing, crossover auto sensing (Auto MDIX) 1 x SFP Base 1000x Port
Protection	1,500 Volts magnetic isolation between ports
Housing	IP-20 rated non-conducting polyamide case

YELLOW   GREEN

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

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Industrial Ethernet Switch

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Diagram

95.14

2.88

3.82

13.3

5.48

4.94

22.6

10.55

99

88.3

67.2

2.99

21.9

83.6

Power Terminal Pin Outs

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

Ethernet Ports × 4 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 1 SFP and 4 Port Gigabit Ethernet Switch	MP-584

Dimensions : Millimetres

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