

Features

- Streamlined installation - electrical power and data over the same cable
- 4 PoE+ capable ports - fully compliant to IEEE 802.3af/at
- High PoE power budget 90W @ 70°C between all 4 PoE ports simultaneously - efficiently deliver power to connected devices
- Robust industrial design - operating temp -40°C to +70°C / -40°F to +158°F
- Redundant dual power inputs +44V to +57V DC: enhances system reliability
- Smart LED indicators: real-time status information, quick visual monitoring

Industrial 5 Port PoE+ Gigabit Ethernet Switch

RS Stock No.: 0180403



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Designed for demanding environments, RS PRO Industrial PoE Switches remove the need for costly electrical installations by enabling the transmission of electrical power over the same cable that carries data.

They are simple to install, fully conform to IEEE 802.3af/at Ethernet standards for reliable performance and offer the flexibility to deploy powered devices at almost any location. Ideal for CCTV or Machine Vision installations in Industrial environments.

General Specifications

Switch Type	Ethernet Unmanaged Switch
Number of Ports	5 Gigabit Ethernet, 4 PoE+ capable ports 802.3af/at
Protocol Type	Ethernet 10/100/1000Mbps
Transmission Length	100m
Transmission Speed	10/100/1000Mbit/s
RJ45 Ports	5
Number of Fibre-Optic Ports	0
Housing	DIN rail mountable IP-20 rated non-conducting polyamide case
LED Indicators	Solid Green Connection established Flashing Green Data communication PoE Power LED (ports 1-4) Solid Yellow PoE power ON Flashing Yellow Power warning
For Use With	Control Cabinets; Ethernet Network; DIN Rail Control Cabinets, Machine Vision Systems, CCTV

Electrical Specifications

Maximum Supply Voltage	57 Volts DC, reverse polarity protection
Nominal Supply Voltage	48VDC
Minimum Supply Voltage	44VDC
Power Consumption	5.5 Watts Max: 96mA@+57VDC
PoE Power Budget	90W @ 70°C 4 Ports IEEE 802.3af/at compliant: deliver up to 30W to each port (backwards compatible)
Electrical Connection	3.5mm pitch, #22 - #14, 0.5mm ² -2.5mm ² pin power supply 0.150 inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, 0.14mm ² - 1.3mm ²
MTBF	750,000 hours

Mechanical Specifications

Mounting	DIN-Rail
Dimensions	116 x 99 x 23 mm
Depth	116 mm
Height	99 mm
Width	23 mm
Weight	231g

Operation Environment Specifications

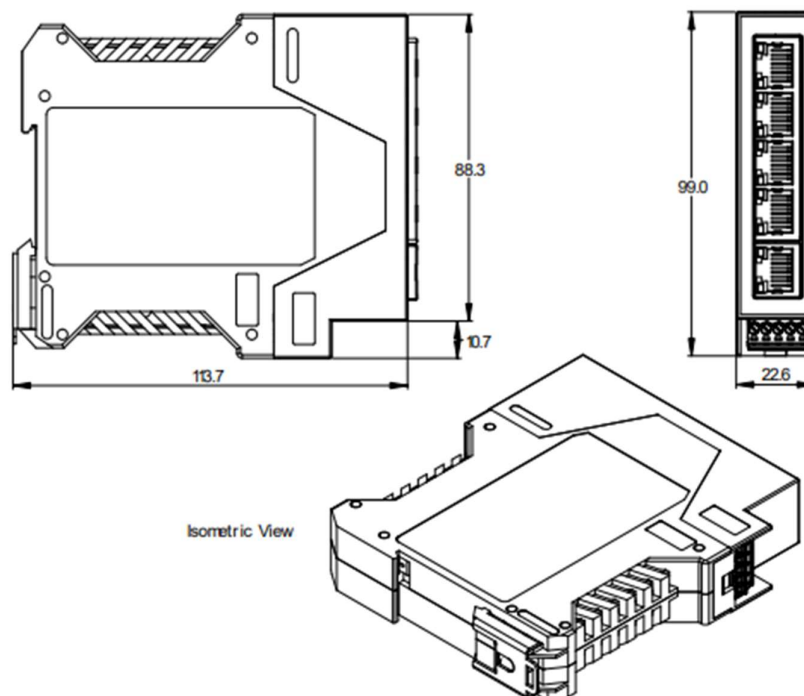
Maximum Operating Temperature	55°C
Minimum Operating Temperature	-20°C
Storage Temperature	-40 to 85°C (-40 to 185°F)
Relative Humidity	10% to 95% non-condensing

Protection Category

IP Rating	IP20
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Approvals

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



All Dimensions in mm
Tolerance +/- 0.5mm

Similar Products

Parameters	0180403	0180405
Brand	RS PRO	RS PRO
Switch Type	Unmanaged	Unmanaged
Number of Ports	5	4 + 1 SFP
Protocol Type	Ethernet	Ethernet
Transmission Length	100m	10km
Transmission Speed	10/100/1000Mbps	10/100/1000Mbps
RJ45 Ports	5	4
Number of Fibre-Optic Ports	0	1
Number of RS-232 Ports	0	0
Number of RS-485 Ports	0	0
Number of USB Ports	0	0
Port Selection	Auto	Auto
Housing	Polyamide	Polyamide
LED Indicators	Yes	Yes
Maximum Supply Voltage	57V DC	57V DC
Nominal Supply Voltage	48V DC	48V DC
Minimum Supply Voltage	44V DC	44V DC
Power Consumption	5.5 Watts	5.3 Watts
Compatible USB Cable Version	n/a	n/a
Electrical Connection	Terminal Blocks	Terminal Blocks
MTBF	750,000 hours	750,000 hours
Alarm Relay	n/a	n/a
Mounting	DIN Rail	DIN Rail
Dimensions	116x99x23mm	115x100x23
Depth	116mm	115mm
Height	99mm	100mm
Width	23mm	23mm
Weight	137g	231g
Maximum Operating Temp.	70°C	70°C
Storage Temperature	85°C	85°C
Relative Humidity	10 to 95%	10 to 95%