STRIDE® SE3 SERIES IP67 RATED INDUSTRIAL UNMANAGED ETHERNET SWITCHES

NOTE: DOWNLOAD USER MANUAL SE3-USER-M FROM THE PRODUCT MANUALS AREA OF AUTOMATIONDIRECT.COM FOR ADDITIONAL DETAILS.

RoHS
☑
RoHS Compliant

FCC UL CE

Stride SE3 Unmanaged IP67 Models

Part Number	M12 10/100Tx Ethernet Ports	Operating Temperature
SE3-SW5U-N67-T	5	-40 to +75°C [-40 to 167°F]

Power Details

Power Connection	Dual DC power inputs through M12 5-pin A-coded male connector
Input Voltage	Class 2 power supply: 12–48 VDC redundant power inputs
Reverse Power Protection	Yes
System Power Consumption	0.5 W
Relay Contact	No

M12 Ethernet Ports

10/100BaseT Ports	M12, female, D-coding, 4-pin
Ethernet Compliance	IEEE 802.3i, 802.3u, 802.3x for 10/100 Ethernet
Auto-Crossover	Yes, allows you to use straight-through or crossover wired cables
Auto-Sensing Operation	Yes, full and half duplex
Auto-Negotiating Speed	Yes
Flow Control	IEEE 802.3x flow control, back pressure flow control
Cable Requirements	Twisted pair (Cat5e or better, shielded recommended)
Max. Cable Distance	100m [328ft]

Note: M12 caps need to be used on open (disconnected) ports.
Replacement caps (Part # ZP-JBH-CAP) are available from AutomationDirect.com
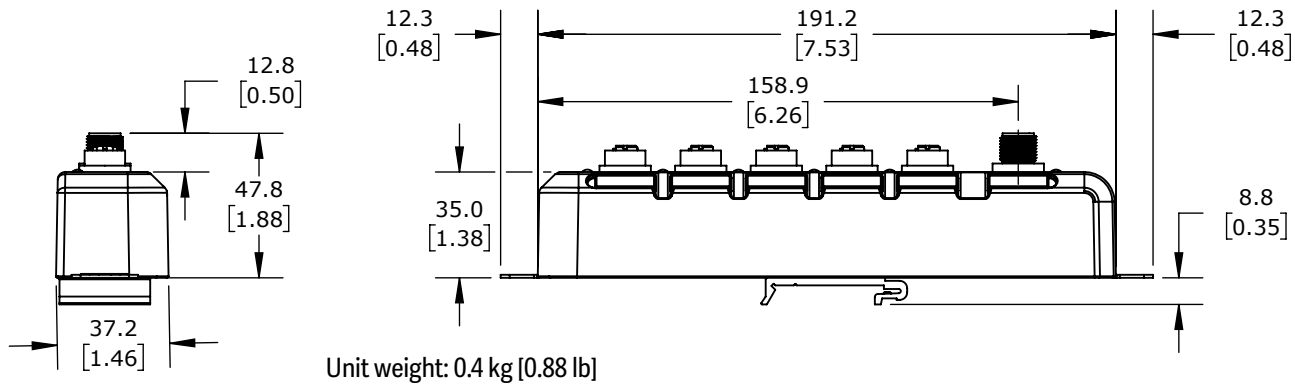
General Specifications

Processing Type	Store and forward
Devices Supported	All IEEE 802.3 compliant devices are supported
MAC Addresses	1K
Memory Buffer	448Kbits
Packet Forwarding Rate	14.88 Kpps for Ethernet ports 148.8 Kpps for Fast Ethernet ports
Storage Temperature Range	-40 to +85 °C (-40 to +185 °F)
Humidity (Non-Condensing)	5 to 95% RH
Environmental Air	No corrosive gases permitted
Vibration, Shock & Freefall	IEC60068-2-6, -27, -32
EMI Emissions	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A
EMS	CE EN55035/EN61000-6-2 Class A: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
RoHS	RoHS (Pb free) compliant
Packaging and Protection	Plastic case, IP67
Agency Approvals	FCC, CE, UL 61010-1, 61010-2-201

Front Panel LEDs

LED	State	Description
PWR	On	Power input 1 or 2 is connected and operational
	Off	Power input 1 and 2 are both inactive
Ethernet Port LINK/ACT	On	Indicates that there is a proper Ethernet connection (link) between the port and another Ethernet device, but no communications activity is detected
	Blinking	Indicates that there is a proper Ethernet connection (link) between the port and another Ethernet device, and that there is communications activity
	Off	Indicates that there is not a proper Ethernet connection (link) between the port and another Ethernet device. Make sure that each end of the cable has been plugged in securely.

Dimensions:
mm [inches]

12.8 [0.50]

12.3 [0.48]

191.2 [7.53]

12.3 [0.48]

158.9 [6.26]

47.8 [1.88]

35.0 [1.38]

8.8 [0.35]

37.2 [1.46]

Unit weight: 0.4 kg [0.88 lb]

Installation – Panel Mounting:

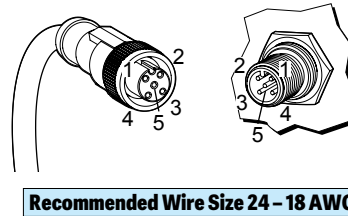The switch is designed to be panel mounted vertically or horizontally using the steps below.

Panel mounting steps:

1. Prepare 2 screws for mounting the switch to a wall. (M3 or M4 screws are recommended.)
2. Locate two screw holes in the wall or panel based on the positions of two screw holes on the mounting brackets.
3. Insert the screws through the screw holes on the switch and secure the switch to the panel.
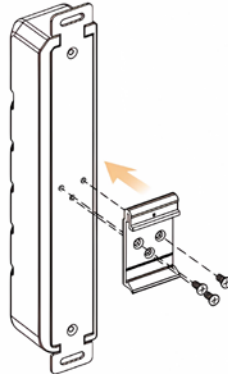
Installation – DIN Rail Mounting:

Using the included DIN rail mounting bracket, the switch can be snapped onto a standard 35 x 7.5 mm height DIN rail (Standard: CENELEC EN50022)
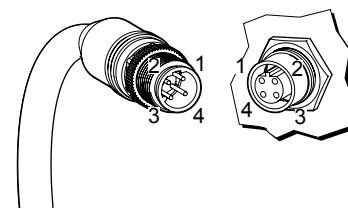
To install the DIN rail mounting bracket, use the included screws as shown in the figure to the right.

After the DIN-Rail bracket is installed on the rear of the switch, follow the steps below to mount the switch:
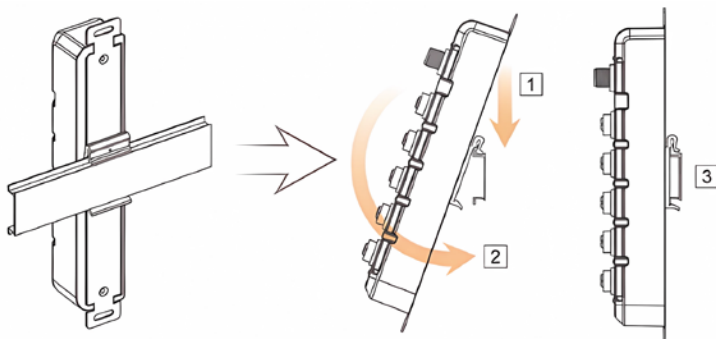
1. Hook top back of unit over the DIN rail.
2. Push bottom back onto the DIN rail until it snaps into place.
3. Check to ensure that the bracket is mounted tightly to the rail.

To remove the switch from the DIN rail, push the unit down to free the bracket from the bottom of the DIN rail, then reverse the above steps.

Power Wiring:

The switch can be powered from the same DC source that is used to power your other devices. To maintain the UL listing, this source must be a Class 2 power supply. A DC voltage in the range of 12–48 VDC needs to be applied through an M12 connector as shown in the chart below. We recommend grounding the switch to the panel or chassis ground using an M3 or M4 ground screw and grounding wire, attached to either the top or bottom wall mounting hole. To reduce down time resulting from power loss, the switch can be powered redundantly with a second power supply as shown in the chart below.

A recommended DC power supply is **AutomationDirect.com** part number PSL-24-030.

Recommended Wire Size 24 – 18 AWG

Power Port Pin Definitions	
Pin	Description
1	Power Input 1 +
2	Power Input 2 +
3	Power Input 2 -
4	Power Input 1 -
5	Ground

Communication Ports Wiring:

Communication Port Pin Definitions	
Pin	MDI Signal
1	Transmit Data + (TD+)
2	Receive Data + (RD+)
3	Transmit Data - (TD-)
4	Receive Data - (RD-)

Additional Help and Support

- For additional product support, specifications, and installation, download User Manual SE3-USER-M from the Product Manuals area of **www.AutomationDirect.com.**
- For additional technical support and questions, call our Technical Support team @ 770-844-4200.