

# Ethernet Switch

## Unmanaged Industrial Ethernet Switch



### SPECIFICATIONS

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Rated Input Voltage   | 12/24/48V DC, 24V AC                                                                       |
| Voltage Tolerance     | 9-60V DC, 18-30V AC                                                                        |
| Power Consumption     | 3.4 W                                                                                      |
| Ethernet Standard     | IEEE802.3u (100BASE-TX)/IEEE802.3i (10BASE-T) compliant                                    |
| Data Transfer Speed   | 10Mbps/100Mbps (Auto-negotiation function)                                                 |
| Communication Method  | All ports full/half duplex (Auto-negotiation function)                                     |
| Number of Ports       | 5                                                                                          |
| Frame Transfer Method | Store and forward                                                                          |
| Throughput            | 0.75 Mpps                                                                                  |
| Address Table         | 2,048 entries                                                                              |
| Buffer Size           | 1 Mbits                                                                                    |
| EMI/EMS               | FCC CFR47 Part 15, EN55022, CISPR22, Class A                                               |
|                       | Electrostatic discharge: ±6 kV (contact), ±8 kV (air) (IEC 61000-4-2)                      |
|                       | Radiation electromagnetic field: 10V/m (80 MHz–2 GHz), 3V/m (2 GHz–2.7GHz) (IEC 61000-4-3) |
|                       | FTB: ±2 kV (Power Port), ±1 kV (Data Port) (IEC 61000-4-4)                                 |
|                       | Lightning surge: ±1 kV/DM, ±2 kV/CM (Power Port), ±1 kV (Data Port) (IEC 61000-4-5)        |
|                       | RF conducted immunity: 10V (150 kHz–80 MHz) (IEC 61000-4-6)                                |
| Vibration Resistance  | 5 Hz to 9 Hz: 3.5 mm, 9 Hz to 150 Hz: 2.0G (IEC 60068-2-6)                                 |
| Shock Resistance      | 150 m/s <sup>2</sup> 11 ms (IEC 60068-2-27)                                                |
| Operating Temperature | –40 to +75°C (no freezing)                                                                 |
| Operating Humidity    | 5 to 95% RH (no condensation)                                                              |
| Storage Temperature   | –40 to +85°C (no freezing)                                                                 |
| Mounting              | DIN rail/panel mounting (*1)                                                               |
| Degree of Protection  | IP30                                                                                       |
| Weight (approx.)      | 200 g                                                                                      |

\* 1: Optional accessory is necessary for panel mounting.

### PRODUCT DESCRIPTION

The SX5E series offers a fast, 5-Port Unmanaged Industrial Ethernet Switch with a wide range of operating voltages (AC and DC) and operating temperatures. With a compact, industrial-grade design and rugged metal housing, this switch is suitable for installation in Class I, Division 2 hazardous locations and for industrial applications in harsh environmental conditions requiring an IP30 degree of protection. Potential applications include wastewater treatment, machine tools, packaging machines, oil and gas, food processing machines, elevators, building automation, power utilities, traffic control, transportation and more.

### KEY FEATURES

- Compact Unmanaged Industrial Ethernet Switch
- 5-port 10/100 Mbps
- Wide Operating Voltage range: 9-60V DC, 18-30V AC
- Wide Operating Temperature range: -40 to +75 °C
- Full/Half Duplex Operation
- Supports Auto-MDI/MDIX Function
- Redundant Power Input
- Broadcast Storm Protection
- IP30 Protection Rugged Metal Housing
- cULus, CE, Class I, Division 2



# SX5E Ethernet Switch

## PART NUMBERS

| Model                                                                                                       | Package Quantity | Part Number |
|-------------------------------------------------------------------------------------------------------------|------------------|-------------|
| <b>Ethernet Switch</b><br> | SX5E-HU055B      | 1           |

## ACCESSORIES

| Model                                                                                                                    | Package Quantity | Part Number |
|--------------------------------------------------------------------------------------------------------------------------|------------------|-------------|
| <b>RJ45 connector cover (IP30)</b><br> | SX9Z-CAP2PN02    | 2           |
| <b>Direct mounting bracket</b><br>     | SX9Z-1A01        | 1           |
| <b>Power Supply Terminal Block</b><br> | SX9Z-PMTD04PN02  | 2           |

## DIMENSIONS (MM)

### SX5E Ethernet Switch

