Ethernet Switches

# SX5E

Unmanaged Ethernet switches equipped with various features

• See website for details on approvals and standards.

## High environmental resistance

• Rugged metal housing
• Operating temperature: –40 to +75°C
• IP30 protection

## Various features

• Wide operating voltage range: 9-60V DC, 18-30V AC
• Redundant power supply possible (dual line connection)
• Broadcast storm protection
• Auto-negotiation function available
• Auto-MDI/MDIX function available

# SX5E Ethernet Switches

Rugged design. Suitable for a range of applications.

## Specifications and Ratings

| Part No. | SX5E-HU055B |
|---|---|
| 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<br>Electrostatic discharge: ±6 kV (contact), ±8 kV (air) (IEC 61000-4-2)<br>Radiation electromagnetic field: 10V/m (80 MHz–2 GHz), 3V/m (2 GHz-2.7GHz) (IEC 61000-4-3)<br>FTB: ±2 kV (Power Port), ±1 kV (Data Port) (IEC 61000-4-4)<br>Lighting surge: ±1 kV/DM, ±2 kV/CM (Power Port), ±1 kV (Data Port) (IEC 61000-4-5)<br>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/s2 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 |

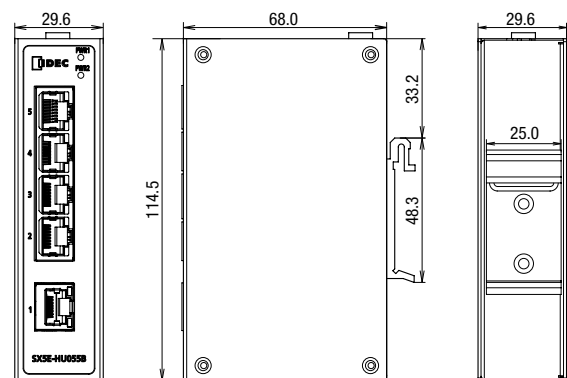*1: Optional accessory is necessary for panel mounting.

### Ethernet Switch

| Model | | Part No. | Package Quantity |
|---|---|---|---|
| Ethernet switch |  | SX5E-HU055B | 1 |

### Accessories (optional)

| Accessories | | Part No. | Package Quantity |
|---|---|---|---|
| RJ45 connector cover (IP30) |  | SX9Z-CAP2PN02 | 2 |
| Direct mounting bracket |  | SX9Z-1A01 | 1 |
| Power supply terminal block |  | SX9Z-PMTD04PN02 | 2 |

## Dimensions

All dimensions in mm.

**Download catalogs and CAD from http://asia.idec.com/downloads**