

## Rugged design. Suitable for a range of applications.

Unmanaged Ethernet switches equipped with various features

### 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



## Ratings/Specifications

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 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) Lighting 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.

## SX5E Ethernet Switches

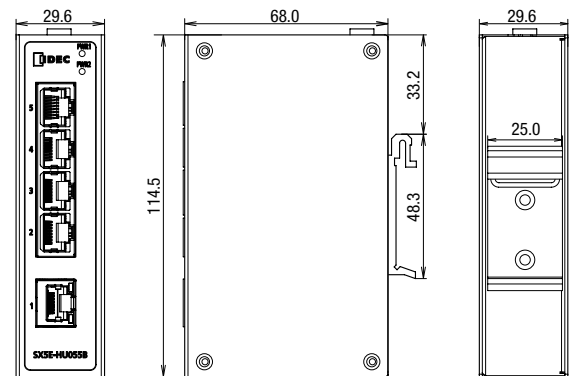
### Ethernet Switch

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



## Use SX5E with IDEC control products!

### MICROSmart FC6A Programmable Logic Controller

IoT of production sites are made simple and easy with high performance features; remote monitoring with web server functions, automatic E-mail notification of periodic and event reports, and user-friendly debug function to reduce design process.

#### All-in-One System Example



#### Plus



See brochures for details.

Features: Cat No. EP1574      Datasheet: Cat No. EP1575

### Operator Interfaces HG4G, HG3G, HG2G, HG1G

Remote maintenance is made possible easily with excellent features in a compact design.



HG4G (12.1 inch)



HG3G (8.4 inch)



HG2G (5.7 inch)



HG1G (4.3 inch)



See brochures for details.

HG4G/HG3G/HG2G: Cat No. EP1521      HG1G: Cat No. EP1589

### SmartAXIS FT1A Controller

Advanced 3.8-inch LCD display with integrated control function with space- and wire-saving features for easy operation.



(Touch)



(Pro)



(Lite)

See the brochure for details.

Cat No. EP1527

### WB2F 2D Code Scanner

Equipped with a high-resolution sensor to read small symbols from 150mm max. Ethernet communication is possible with the optional communication unit.



WB2F



WB9Z Communication Unit

Contact us for details.

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