EKI-2528I-M12

8 port M12 Unmanaged Industrial Ethernet Switch, IP67

Overview

The EKI-2528I-M12 unmanaged switches are designed for application in harsh environments. First of all, the switches provide 8 Fast Ethernet ports with M12 D-coded connectors which can connect the cables tightly against vibration and shock. Second, the switches support 10/100 Mbps, auto MDI/MDI X, broadcast storm protection. Third, when supporting wide power input ranging from 12 to 48V with Polarity Reverse Protection and Overload Current Resettable Fuse, the EKI-2528I-M12 switches are robust and economical solutions for your network. Finally, as the switches are IP67-rated and is compliant with IEC 61131-2:2017, they are suitable for PLC application and their associated peripherals.

Packing List

Before installation, please make sure that you have received the following:

- 1 x EKI-2528I-M12 Ethernet Switch
- 1 x Bag of Screws for DIN-rail and Grounding
- 1 x DIN-rail Mounting Kit
- 1 x EKI-2528I-M12 Startup manual

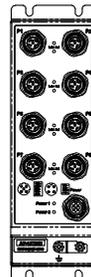If anything is missing or damaged, contact your distributor or sales representative immediately.

Specifications

General

- **Compatibility:** IEEE 802.3, 802.3u, 802.3x
- **LAN:** 10/100Base-TX
- **Ethernet RJ-45:** Up to 100 m
- **Connectors:**
  8 x M12 with D-code
  1 x 4-pin M12 A-code for Power Connection
- **Switch Architecture:** Store and Forward
- **Power Requirement:** $12\sim48V_{DC}$ redundant dual inputs
- **Power Consumption:** 2.5 Watts
- **Dimensions (W x H x D):** 62 x 194 x 25 mm (2.44" x 7.63" x 1.00")
- **Enclosure:** IP67
- **Operating Temperature:**
  -40 ~ 75 ℃ (-40 ~ 167 ℉)
- **Storage Temperature:**
  -40 ~ 85℃ (-40℉ ~ 185℉)
- **Operating Humidity:** 5 ~ 95% (non-condensing)
- **Storage Humidity:** 5 ~ 95% (non-condensing)
- **Safety:** UL 61010
- **EMI:**
  EN 61131-2
  CE, CE-LVD, FCC Class A, RCM
- **EMS:**
  EN 61000-4-2
  EN 61000-4-3
  EN 61000-4-4
  EN 61000-4-5
  EN 61000-4-6
  EN 61000-4-8
  Shock IEC 60068-2-27
  Freefall IEC 60068-2-32
- **Vibration IEC 60068-2-6:** 5g @ 10-150Hz
- **Warranty:** 5 years

Notes

Overview

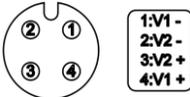**ADVANTECH**

Power Connection

EKI-2528I-M12 switch supports 12 ~ 48 VDC power input using 4-pin male M12 A-code connector.

STEP 1: Insert a corresponding power cord on the power connector to connect EKI-2528I-M12.

STEP 2: Screw the nut on the power cord connector to ensure a tight connection between power cord and EKI-2528I-M12.

The switches must be powered by using UL61010 or UL61010-2-201 listed power source, rated 12-48Vdc, 1.5 minimum and Tma 75 degree C.

Suggestion: Suitable for field wiring. Female Connector, 4 wire, Plug straight M12, A-coded, Push-in connection, tighten torque 1.5 Nm, UL 2238 Listed cable (UL CYJV Listed)

```
② ①
③ ④
```

```
1:V1 -
2:V2 -
3:V2 +
4:V1 +
```

Warning! *Disconnect all sources of supply before servicing.*

⚠

Avertissement! *Couper toutes les sources d'alimentation avant de faire l'entretien et les réparations.*

⚠

Warning! *Make sure the voltage of the power source is correct before connecting the equipment to the power disconnect.*

⚠

Avertissement! *Vérifiez que la tension de la source d'alimentation soit la correcte avant de brancher l'appareil sur le disjoncteur de l'alimentation.*

⚠

Warning! *If the equipment is not used for a long time remove it from the power source to avoid damage by transient over voltage.*

⚠

Avertissement! *Si l'appareil va rester longtemps inactif, débranchez-le de la source d'alimentation pour éviter tous dommages dus à des surtensions transitoires.*

⚠

Warning! *Use dry cloth for cleaning.*

⚠

Avertissement! *Nettoyez avec un chiffon sec.*

⚠

Warning! *Hot Surface. Do Not Touch.*

⚠

Avertissement! *Surface Chaude. Ne pas toucher.*
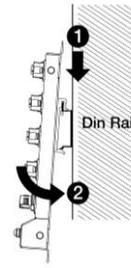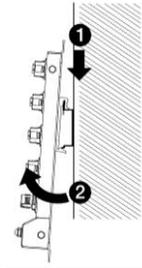
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Mounting

DIN-rail Mounting

STEP 1: Install the DIN-Rail Mounting Kit.
DIN-Rail Screw Size: M3x6L

STEP 2: Install the Switch.

STEP 3: Remove the Switch.

Wall Mounting

STEP 1: Prepare the 4 screw holes on the wall according to the switch. Screw hole size: 5.0mm

STEP 2: Screw in the 4 screws through the screw holes on the switch to the wall.