EKI-2528I-M12

8 port M12 Unmanaged Industrial Ethernet Switch, IP67

Features

- M12 connector with IP67 rugged housing
- Provides 8 fast Ethernet ports with Auto MDI/MDI-X
- Supports 10/100 Mbps auto-negotiation
- Complies with EN50155
- Complies with IEC 61131-2 specifications
- Supports redundant 12 ~ 48 V_{DC} power input
- Supports wide operating temperature range from -40 to 75 °C

Introduction

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. 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.

Specifications

Communications

- **Standard IEEE**   802.3, 802.3u, 802.3x
- **LAN**   10/100Base-T (X)
- **Transmission Speed**   Up to 100 Mbps

Interface

- **Connectors**   8 x M12 with D-code
  4-pin M12 A-code for Power Connection
- **LED Indicators**   Power 1, Power 2
  10/100T (X): Link/Activity

Power

- **Power Consumption**   2.5 Watts
- **Power Input**   12 ~ 48 V_{DC}, redundant dual inputs
- **Operating Voltage**   9.6 ~57.6 V_{DC}

Mechanism

- **Dimensions (W x H x D)** 62 x 194 x 25 mm (2.44" x 7.63" x 1.00")
- **Enclosure**   IP67, Metal shell with solid mounting kits
- **Mounting**   DIN-rail, Wall

Protection

- **Reverse Polarity**   Present
- **Overload current**   Present
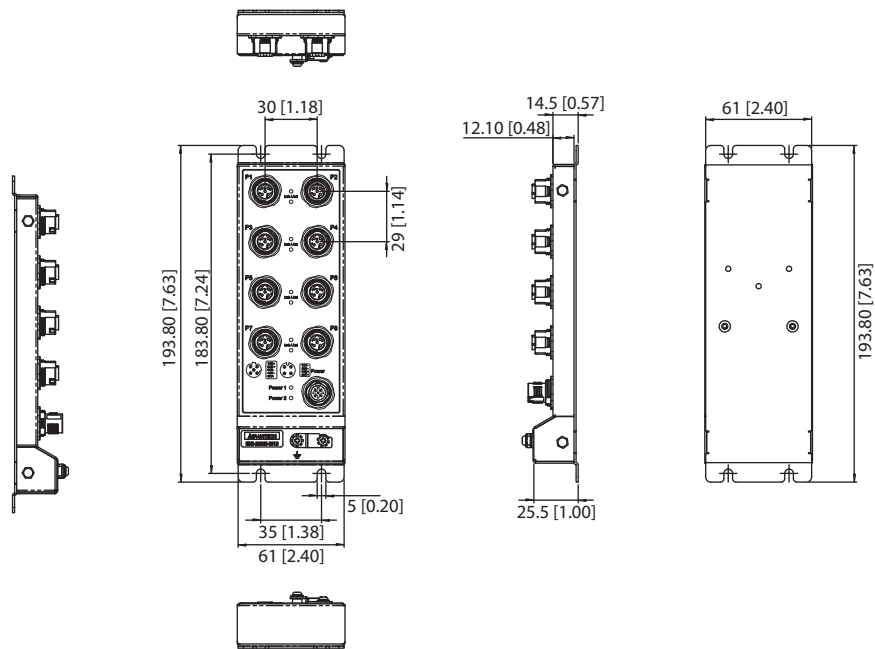
Environment

- **Operating Temperature** -40 ~ 75 °C (-40 ~ 167 °F)
- **Storage Temperature**   -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity**   5 ~ 95% (non-condensing)
- **Storage Humidity**   5 ~ 95% (non-condensing)

Certification

- **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, EN 61373
- **Freefall**   IEC 60068-2-32
- **Vibration**   IEC 60068-2-6: 5g @ 10-150Hz,
  EN 61373
- **Railway**   Complies with EN50155

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Dimensions

Unit: mm

Panel Cut-out Dimensions: 62 x 194 x 25 mm (2.44" x 7.63" x 1.00")

Ordering Information

- **EKI-2528I-M12-AE**   8 port M12 Ethernet Switch w/ IP67 and Wide Temp