EKI-2525/I
5-port Unmanaged Industrial Ethernet Switch

EKI-2528/I
8-port Unmanaged Industrial Ethernet Switch

Features

- Provides 5/8 Fast Ethernet ports with Auto MDI/MDI-X
- Supports 10/100 Mbps Auto-Negotiation
- Provides broadcast storm protection
- Provides compact size with DIN-rail/Wall mount, and IP30 metal mechanism
- Supports redundant 12 ~ 48 V_{DC} power input and P-Fail relay
- Supports wide operating temperatures from -40 to 75°C (EKI-2525I/EKI-2528I)

Introduction

The EKI-2525/2528 supports a Fast Ethernet solution. The power is a +12 ~ 48 V_{DC} redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Resetable Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. As the power supply turns normal, EKI-2525/2528 will automatically get back to work. Each port of EKI-2525/2528 has 2 LED's to show the link status transmission speed and collision status. It also provides a relay output for an event alarm. In the event of a power failure, the built-in LED will activate the alarm to notify administrators. Engineers can simply verify the hardware status by checking the LED, and have troubleshooting easy and quick. EKI-2525/2528 comes with compact metal housing that rates IP30 to help against from dusty industrial environments.

Specifications

Communications

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

Interface

- **Connectors**   8 x RJ45 (EKI-2528) or 5 x RJ45 (EKI-2525)
6-pin removable screw terminal (power & relay)
- **LED Indicators**   P1, P2, P-Fail
10/100T (X): Link/Activity, Duplex/Collision

Power

- **Power Consumption**   EKI-2528: Max. 5 W
EKI-2525: Max. 3 W
- **Power Input**   12 ~ 48 V_{DC}, redundant dual inputs
- **Fault Output**   1 Relay Output

Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
- **Enclosure**   IP30, Metal shell with solid mounting kits
- **Mounting**   DIN-rail, Wall

Protection

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

Environment

- **Operating Temperature**   -10 ~ 60°C (14 ~ 140°F)
-40 ~ 75°C (-40 ~ 167°F), (EKI-2525I and EKI-2528I)
- **Storage Temperature**   -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity**   5 ~ 95% (non-condensing)
- **Storage Humidity**   0 ~ 95% (non-condensing)
- **MTBF**   689,000 hours (EKI-2528)
412,590 hours (EKI-2525)

Certifications

- **Safety**   UL 60950-1, CAN/CSA-C22.2 No.60950
Class I, Division 2
- **EMI**   FCC Part 15 Subpart B Class A, EN 55022 Class A
- **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

Ordering Information

- **EKI-2525**   5-port Ethernet Switch
- **EKI-2525I**   5-port Ethernet Switch w/ Wide Temp
- **EKI-2528**   8-port Ethernet Switch
- **EKI-2528I**   8-port Ethernet Switch w/ Wide Temp