Introduction

The EKI-2725 supports Gigabit Ethernet. The power is a +12 – 48 Vdc redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. Each port of EKI-2725 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-2725 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, 802.3ab
- **LAN**: 10/100/1000Base-T(X)
- **Transmission Distance**: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
- **Transmission Speed**: Up to 1000 Mbps

Interface
- **Connectors**: 5 x RJ45
- **LED Indicators**: P1, P2, P-Fail

Power
- **Power Consumption**: 2.5W
- **Power Input**: 12 – 48 Vdc, redundant dual inputs
- **Fault Output**: 1 Relay Output

Mechanism
- **Dimensions (W x H x D)**: 30 x 140 x 95 mm (1.18” x 5.51” x 3.74”)
- **Enclosure**: IP30, Metal shell with solid mounting kits
- **Mounting**: DIN-rail, Wall

Protection
- **Power Reverse**: Present
- **Overload current**: Present

Features

- Provides 5 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 9kbytes
- Provides Slim size, DIN-rail with IP30 metal mechanism
- Supports Redundant 12 – 48 Vdc power input and P-Fail Relay
- Provides broadcast storm protection

Environment
- **Operating Temperature**: -10 – 60°C (14 – 140°F)
  -40 – 75°C (-40 – 167°F) / (I model)
- **Storage Temperature**: -40 – 85°C (-40 – 185°F)
- **Operating Humidity**: 10 – 95% (non-condensing)
- **Storage Humidity**: 10 – 95% (non-condensing)
- **MTBF**: 2,296,909 hours

Certifications
- **Safety**: UL 60950
- **EMI**: CE, FCC 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

RoHS COMPLIANT 2011/65/EU
Dimensions

Unit: [mm]

Ordering Information

- EKI-2725-CE  5-port Gigabit Unmanaged Switch
- EKI-2725I-CE  5-port Gigabit Unmanaged Switch w/wide temp