EKI-2725/I

5-port Gigabit Unmanaged Industrial Ethernet Switch



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 V_{DC} power input and P-Fail Relay



Introduction

The EKI-2725 supports Gigabit Ethernet. The power is a \pm 12 \pm 48 V_{DC} 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

6-pin removable screw terminal (power & relay)

• LED Indicators P1, P2, P-Fail

10/100/1000T (X): Link/Activity, Duplex/Collision

Power

Power Consumption 2.5W

Power Input
12 ~ 48 V_{DC}, 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 PresentOverload current Present

Environment

■ Operating Temperature -10 ~ 60°C (14 ~ 140°F)

-40 ~ 75°C (-40 ~ 167°F) / (I model)

Storage Temperature
Operating Humidity
Storage Humidity
- 40 ~ 85°C (-40 ~ 185°F)
10 ~ 95% (non-condensing)
10 ~ 95% (non-condensing)

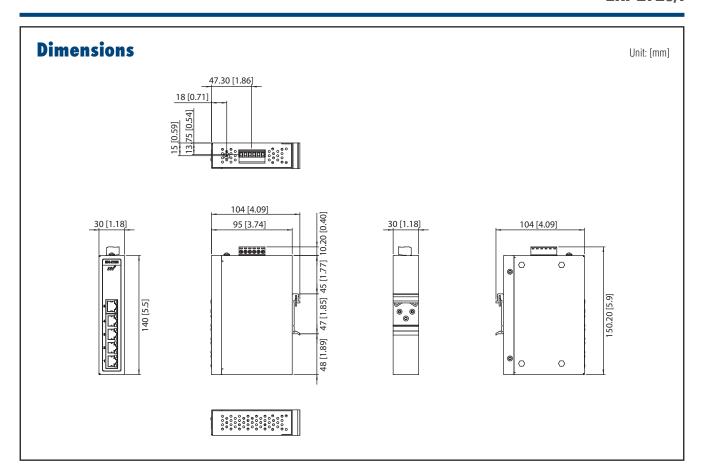
MTBF 2,296,909 hours

Certifications

Vibration

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

IEC 60068-2-6



Ordering Information

• **EKI-2725-CE** 5-port Gigabit Unmanaged Switch

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