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 +12 ~ 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**   Present
- **Overload current**   Present

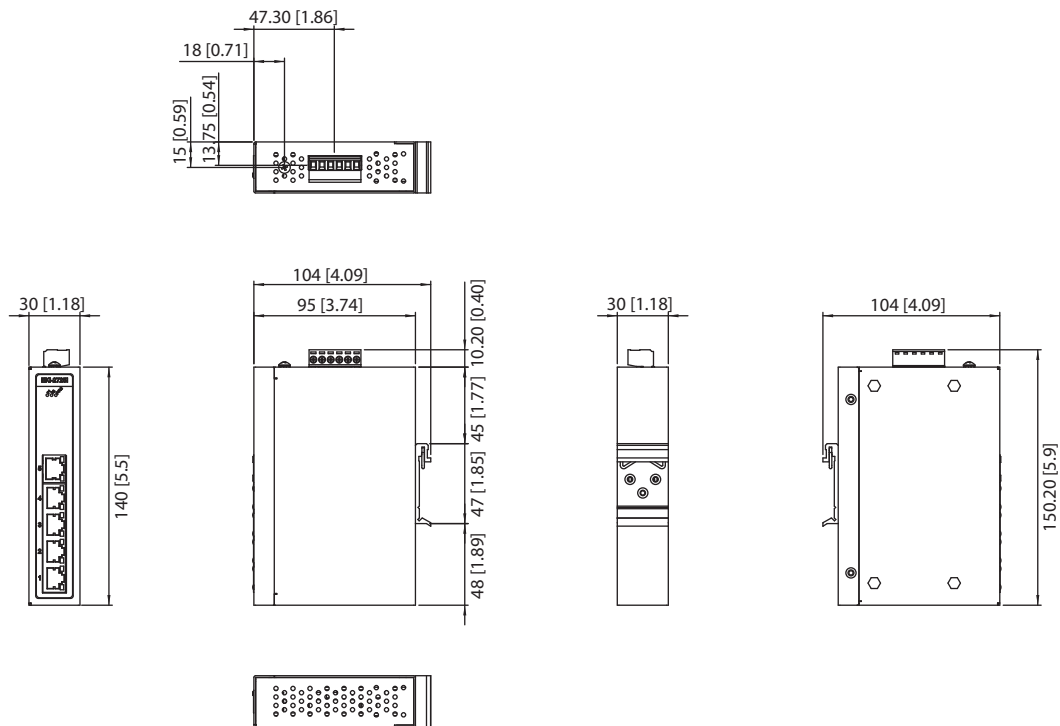### Environment

- **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 62368
- **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

Dimensions

Unit: [mm]

47.30 [1.86]
18 [0.71]
15 [0.59]
13.75 [0.54]

104 [4.09]
95 [3.74]
30 [1.18]
140 [5.5]
10.20 [0.40]
45 [1.77]
47 [1.85]
48 [1.89]
30 [1.18]
104 [4.09]
150.20 [5.9]

Ordering Information

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

VISION CONSULTANCY
MAKING THE UNSEEN VISIBLE

Thank you for downloading this document from
www.machine-vision-shop.com

If you have any questions, you need help composing the
right package for your application or do you want to order?

Feel free to contact us via e-mail at sales@vision-
consultancy.nl or visit our webshop.

Our vision experts are happy to help you.

Natascha Overhof

Christian Crompvoets

VISION CONSULTANCY

Robert Schumandomein 2
6229 ES Maastricht
The Netherlands

+31 (0) 438 522 651

sales@vision-consultancy.nl
www.machine-vision-shop.com

Scan me to visit
machine-vision-shop