

EKI-2725F/FI

4GE + 1SFP port Gigabit Unmanaged Industrial Ethernet Switch



Features

- Provides 4 GE+ 1 SFP ports with auto MDI/MDI-X
- Supports 10/100/1000 Mbps auto negotiation
- Supports jumbo frame transmission up to 9kb
- Provides slim size, DIN-rail with IP30 metal mechanism
- Supports redundant 12 ~ 48 V_{DC} power input and P-Fail relay
- Provides broadcast storm protection

Introduction

The EKI-2725F supports Gigabit Ethernet. The power rating is +12 ~ 48 V_{DC} redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protection and an Overload Current Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. As the power supply turns normal, EKI-2725F will automatically get back to a normal operating state. Each port of EKI-2725F 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, which makes troubleshooting quick and easy. EKI-2725F comes with compact metal housing rated at IP30 to protect against dusty industrial environments.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3z
- **LAN** 4 x 10/100/1000Mbps(RJ-45)+
1 x 100/1000Mbps(SFP)
- **Transmission Distance** Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
SFP: Up to 110 km (depends on SFP)
- **Transmission Speed** Up to 1000 Mbps

Interface

- **Connectors** 4 x RJ45 + 1 x SFP
6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail
10/100/1000T (X): Link/Activity, Duplex/Collision
SFP: LNK/ACT

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

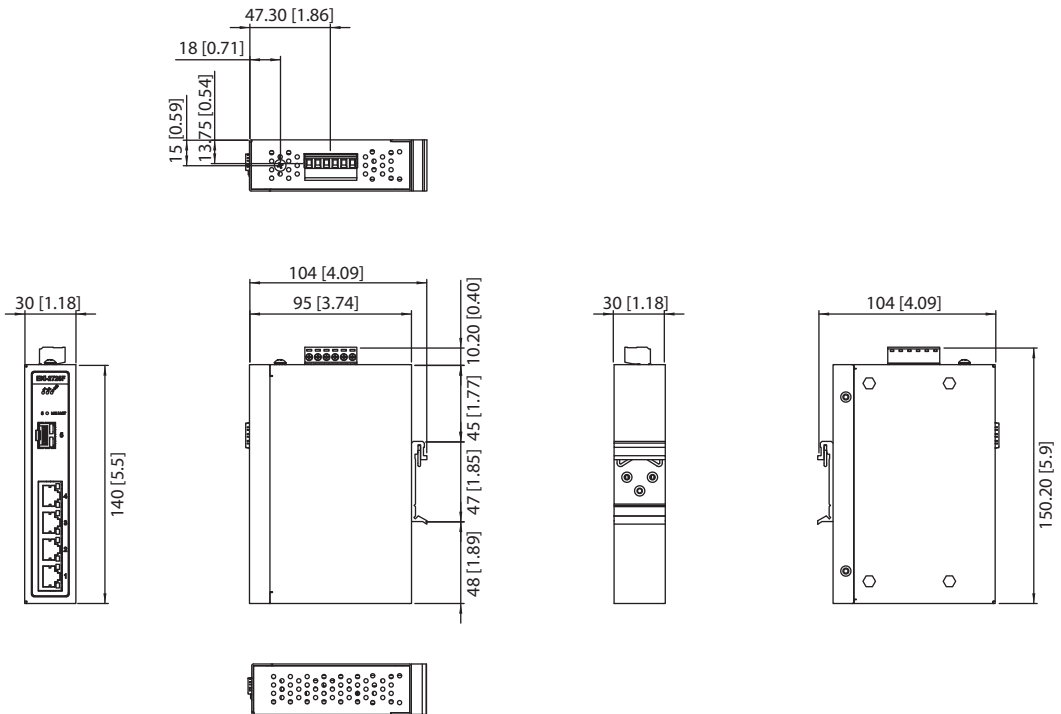
- **Operating Temperature** -10 ~ 60 °C (14 ~ 140 °F)
-40 ~ 75 °C (-40 ~ 167 °F) / (I model)
- **Storage Temperature** -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** TBD

Certifications

- **Safety** UL 61010
- **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

Dimensions

Unit: [mm]



Ordering Information

- EKI-2725F-AE 4GE + 1 SFP unmanaged switch
- EKI-2725FI-AE 4GE + 1 SFP unmanaged switch w/wide temp