# **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<sub>DC</sub> power input and P-Fail relay
- Provides broadcast storm protection



### **Introduction**

The EKI-2725F supports Gigabit Ethernet. The power rating is  $\pm 12 \sim 48 \text{ V}_{DC}$  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. 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-Fai

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

SFP: LNK/ACT

#### **Power**

Power Consumption 2.5W

Power Input
 12 ~ 48 V<sub>DC</sub>, 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  $-10 \sim 60 \,^{\circ}\text{C} \, (14 \sim 140 \,^{\circ}\text{F})$ 

-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 1,868,330 hours

#### **Certifications**

• **Safety** UL 62368

EMI
 CE, FCC Class A
 EMS
 EN 61000-4-2
 EN 61000-4-3
 EN 61000-4-4

EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8

 Shock
 IEC 60068-2-27

 Freefall
 IEC 60068-2-32

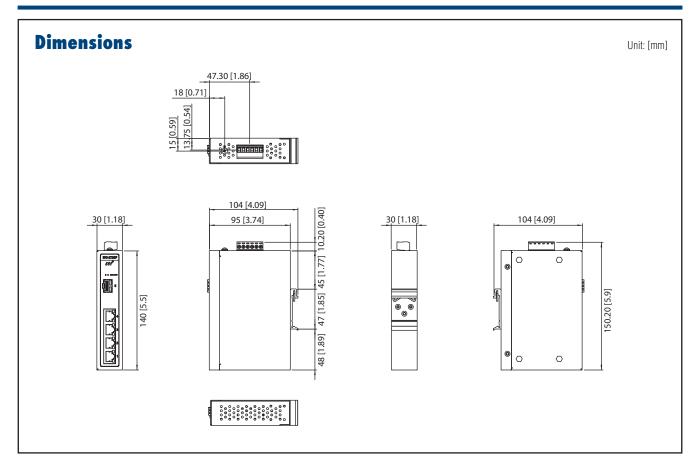
 Vibration
 IEC 60068-2-6

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## **EKI-2725F/FI**



## **Ordering Information**

EKI-2725F-AE

4GE + 1 SFP unmanaged switch

EKI-2725FI-AE

4GE + 1 SFP unmanaged switch w/wide temp

