# **EKI-2728NI**

## 8-port Gigabit Unmanaged Industrial Ethernet Switch





#### **Features**

- Provides 8 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 ALM Relay
- Enhanced traffic prioritization for automation protocols
- Supports PROFINET Conformance-Class A

Vertrieb durch

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#### Introduction

The EKI-2728 supports Gigabit Ethernet. The power is a  $\pm$ 12  $\pm$  48 V<sub>DC</sub> 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-2728 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 easily and quickly. EKI-2728 comes with compact metal housing that rates IP30 to help against from dusty industrial environments. To enhance traffic prioritization for automation protocol with PROFINET PTCP filter that ensure a reliable communication on PROFINET networds.

## **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)

• Iransmission distance - Up to 100 m (4-wire Cat.5e, Cat.6 KJ45 Cable

• Transmission Speed Up to 1000 Mbps

#### Interface

**Connectors** 8 x RJ45

6-pin removable screw terminal (power & relay)

• LED Indicators P1, P2, ALM

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

#### Power

Power Consumption Max. 3.9W

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
 Storage Temperature
 Operating Humidity
 Storage Humidity
 Storage Humidity
 MTBF
 -40 ~ 75°C (-40 ~ 167°F)
 -40 ~ 85°C (-40 ~ 185°F)
 10 ~ 95% (non-condensing)
 4,764,152 hours

#### **Certifications**

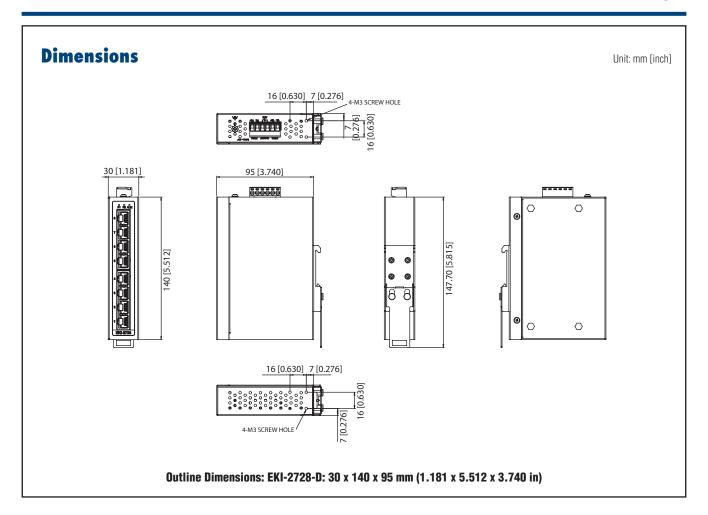
- Safety UL 62368
- EMI CE, FCC Class A
- EMS EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-8
- Shock IEC 60068-2-27
- Freefall IEC 60068-2-32

Freefall IEC 60068-2-32
Vibration IEC 60068-2-6









### **Ordering Information**

• **EKI-2728NI-A** 8-port Gigabit Unmanaged Switch w/wide temp

