EKI-2528D
EKI-2528DI

8-port Unmanaged Switch with DNV

Features

- Provides 8-port Fast Ethernet ports with Auto MDI/MDI-X
- Supports 10/100 Mbps Auto-Negotiation
- Provides broadcast storm protection
- Provides compact size with DIN-rail/Wall mount, and IP30 metal mechanism
- Supports redundant 12 ~ 48 V_{DC} power input and P-Fail relay
- EKI-2528DI supports wide operating temperatures from -40 to 75°C
- DNV certificate

Introduction

The EKI-2528D/DI is DNV certificate product supports 8-port Fast Ethernet solution. 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-2528D/DI has 2 LED's to show the link status transmission speed. 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-2528D/DI 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
- **LAN** — 10/100Base-T (X)
- **Transmission** — Distance Up to 100 m
- **Transmission** — Speed Up to 100 Mbps

Interface

- **Connectors** — 8 x RJ45
  6-pin removable screw terminal (power & relay)
- **LED Indicators** — P1, P2, P-Fail
  10/100T (X): Link/Activity, Duplex/Collision

Power

- **Power Consumption** — 3.93 Watts
- **Power Input** — 12 ~ 48 V_{DC}, redundant dual inputs
  Marine 24V_{DC} (DNVGL Certified)
- **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

- **Reverse Polarity** — Present
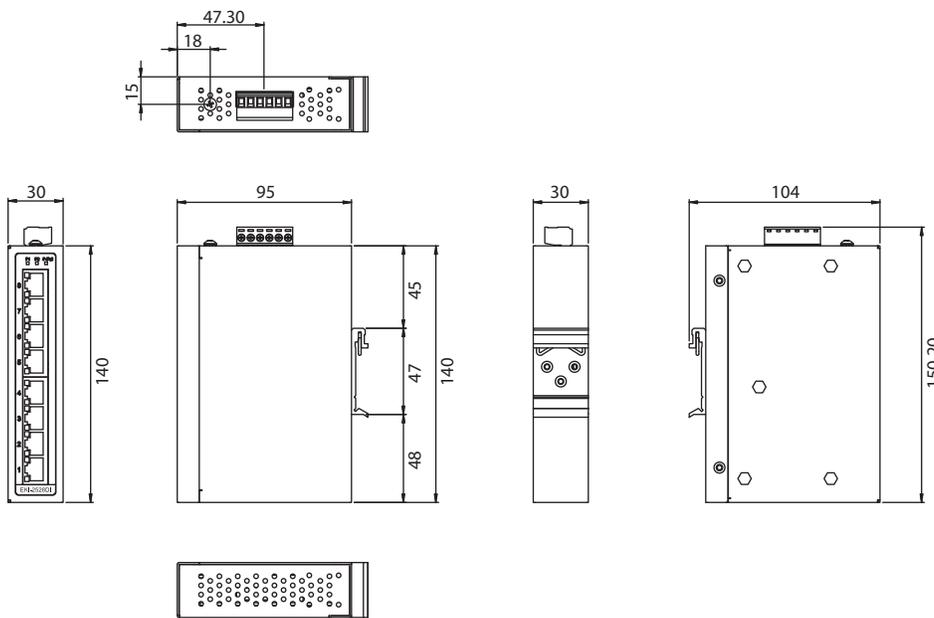- **Overload current** — Present

Environment

- **Operating Temperature** — EKI-2528D: -10 ~ 60°C (14 ~ 140°F)
  EKI-2528DI: -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** — -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** — 10 ~ 95% (non-condensing)
- **Storage Humidity** — 10 ~ 95% (non-condensing)
- **MTBF** — 417,212 hours

Certification

- **Safety** — DNVGL
- **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
  EN 61000-6-2
  EN 61000-6-4
- **Shock** — IEC 60068-2-27
- **Freefall** — IEC 60068-2-32
- **Vibration** — IEC 60068-2-6

EKI-2528D/DI

Dimensions

Unit: mm

Panel Cut-out Dimensions: 30 x 140 x 95 mm (1.18'' x 5.51'' x 3.74)

Ordering Information

- **EKI-2528D-AE** 8-port Unmanaged Switch with DNV Compliant.
- **EKI-2528DI-AE** 8-port Unmanaged Switch with DNV Compliant w/ Wide Temp