EKI-9508G-H
EKI-9508G-L

EN50155 8-Port M12 Unmanaged Ethernet Switch 72/96/110 V_{DC}
EN50155 8-Port M12 Unmanaged Ethernet Switch 24/48 V_{DC}

CE FCC

Features

- Complies with EN50155
- 8 M12 X-coded 10/100/1000Mbps ports
- Power input
  EKI-9508G-H: 72/96/110 V_{DC}
  EKI-9508G-L: 24/48 V_{DC}
- Operating Voltage
  EKI-9508G-H: 50.4~137.5 V_{DC}
  EKI-9508G-L: 16.8~60 V_{DC}
- M12 connector with IP40 protection
- Operating temperature range -40 ~ 70°C

Introduction

The EKI-9500 series switch is designed for railway application with rugged and high EMC performance, being suitable for networking solution for rolling stock and wayside applications. The EKI-9500 series provides M12 connectors for Ethernet/ console/ relay/ power-input connections to ensure tight & robust connectivity, and thus to guarantee reliable operation against environmental disturbances such as vibration and shock on train.

The EKI-9508G-H & EKI-9508G-L are Ethernet switches that provide 8 x Gigabit Ethernet M12 X-code port interface. EKI-9508G-H/ L features "slim" designs which can be easy deployed with its slender size and make the network deployment easier in crowded carriage/ cabinet.

Specifications

Interface

- **I/O Port** 8 x 10/100/1000 BASE-T M12 X-Coded
- **Power Connector** M12 A-Coded

Physical

- **Enclosure** Metal Shell
- **Protection Class** IP 40
- **Installation** Wall Mount
- **Dimensions (W x D x H)** 122.5 x 179.4 x 71.8 mm
- **Weight** 1.3 kg

LED Display

- **System LEDs** PWR1, PWR2, SYS

Environment

- **Operating Temperature** -40 ~ 70 °C
- **Storage Temperature** -40 ~ 85 °C
- **Ambient Relative Humidity** 10 ~ 95% (non-condensing)

Power

- **Power Consumption** ~ 5 Watts (System)
- **Power Input** EKI-9508G-H: 72/96/110 V_{DC}
  EKI-9508G-L: 24/48 V_{DC}
- **Operating Voltage** EKI-9508G-H: 50.4~137.5 V_{DC}
  EKI-9508G-L: 16.8~60 V_{DC}
  Dual inputs Supports Overload Current Protection
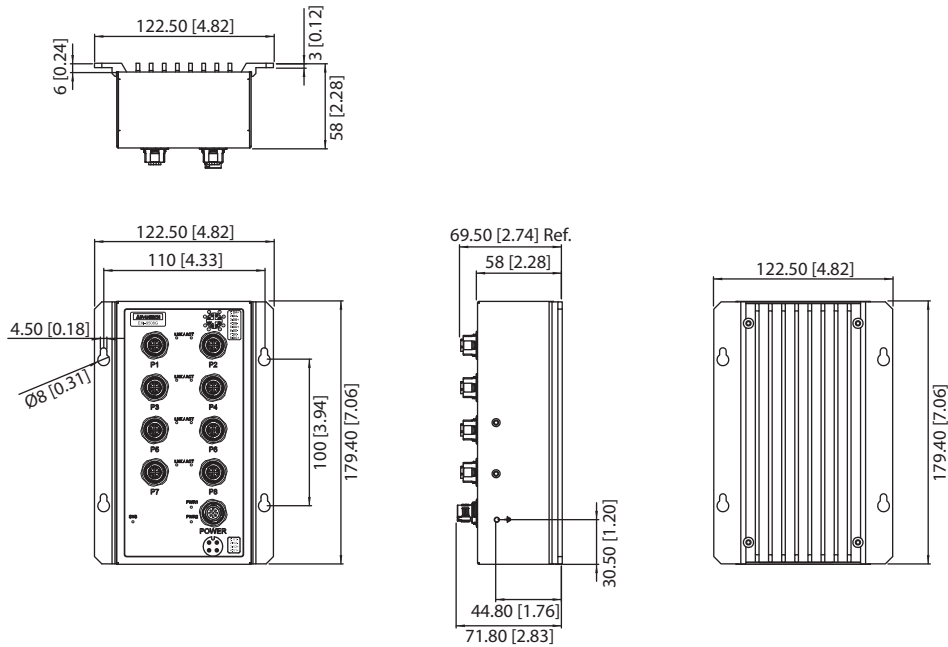 Supports Reverse Polarity Protection

Certification

- **EMI** FCC Part 15 Subpart B Class A
  CE EN55032 (CISPR)
  EN55024 Class A
- **EMS** EN61000-4-2 (ESD) EN61000-4-3 (RS);
  EN61000-4-4 (EFT); EN61000-4-5 (Surge);
  EN61000-4-6 (CS)
- **Shock** IEC 61373
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 61373
- **Rail Traffic** EN50155; EN50121-3-2

L2 Features

- **L2 MAC Address** 8K
- **Jumbo Frame** 9 KB

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All product specifications are subject to change without notice.   Last updated: 9-Nov-2018

Dimensions

Unit: mm [inch]

Ordering Information

- **EKI-9508G-H-AE** — Layer 2 Switch, 8 x M12 Gigabit Ethernet, 72/96/110 V_{DC} dual power input
- **EKI-9508G-L-AE** — Layer 2 Switch, 8 x M12 Gigabit Ethernet, 24/48 V_{DC} dual power input