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

EN 50155 8-Port M12 Unmanaged Ethernet Switch 72/96/110 V$_{DC}$

EN 50155 8-Port M12 Unmanaged Ethernet Switch 24/48 V$_{DC}$

CE FCC

Features

- Complies with EN50155
- 8 port 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 IP50 protection
- Operating temperature of -40 ~ 70°C

Introduction

EKI-9500 series switch is designed for railway application, with rugged and high EMC performance. EKI-9500 series is the suitable networking solution for rolling stock and wayside applications. EKI-9500 series provide M12 connectors for Ethernet/ console/ relay/ power-input connections to ensure tight & robust connectivity, to guarantee reliable operation against environmental disturbances, such as vibration and shock on train. EKI-9508G-H & EKI-9508G-L is a Ethernet switch, it provides 8 x Gigabit Ethernet M12 X-code interface. EKI-9508G-H/ L features a "slim" design, can be easy deployed with its slender size and let network deployment more simple 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	IP50
Installation	Wall Mount
Dimensions (W x H x D)	122.5 x 179.4 x 71.8 mm
Weight	1.3 kg

LED Display

System LEDs	PWR1, PWR2, SYS

Environment

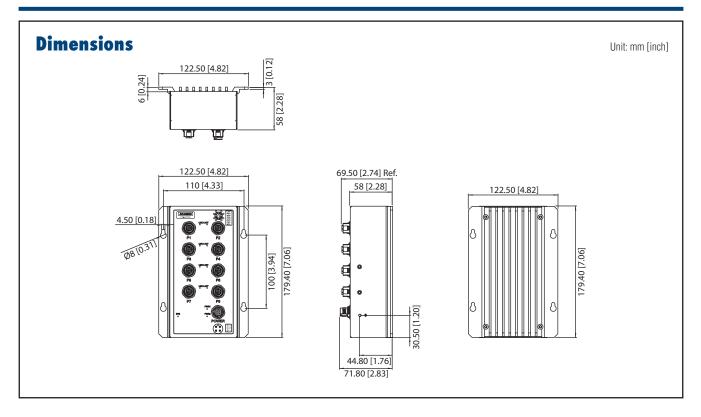|	
Operating Temperature	-40 ~ 70 °C
Storage Temperature	-40 ~ 85 °C
Ambient Relative Humidity	5 ~ 95% (non-condensing)

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 60068-2-31
Vibration	IEC 61373
Rail Traffic	EN 50155; EN50121-3-2

L2 Features

L2 MAC Address	8K
Jumbo Frame	9 KB

Dimensions

Unit: mm [inch]

122.50 [4.82]
3 [0.12]
6 [0.24]
58 [2.28]

122.50 [4.82]
110 [4.33]
4.50 [0.18]
Ø8 [0.31]
100 [3.94]
179.40 [7.06]

69.50 [2.74] Ref.
58 [2.28]
30.50 [1.20]
44.80 [1.76]
71.80 [2.83]

122.50 [4.82]
179.40 [7.06]

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

Accessories

PN		Description
OPT1-M12-CRP-8MX		Phoenix Contact M12 X-code 8 pin Male crimp type connector
OPT1-M12-CRP-4FA		Phoenix Contact M12 A-code 4 pin Female crimp type connector
OPT1-M12C-8MX-150R		M12 X-code 8 pin Male to RJ45, cable length:1.5m
OPT1-M12C-4FA-100		M12 A-code 4 pin Female to 1m cable
1990023703S000		M12 waterproof CAP (1pc.)