EKI-9508G-PH EKI-9508G-PL

EN 50155 8-Port M12 PoE Unmanaged Ethernet Switch 72/96/110 V_{DC} EN 50155 8-Port M12 PoE Unmanaged Ethernet Switch 24/48 V_{DC}



Features

- Complies with EN50155
- 8 port M12 X-coded 10/100/1000Mbps PoE ports
- Power input
 EKI-9508G-PH: 72/96/110 V_{DC}
 EKI-9508G-PL: 24/48 V_{DC}
- Operating Voltage
 EKI-9508G-PH: 50.4~137.5 V_{DC}
 EKI-9508G-PL: 16.8~60 V_{DC}
- IEEE 802.3at PoE+ to supply 30 W of power
- IEEE 802.3af PoE to supply 15.4 W of power
- M12 connector with IP50 protection
- Operating temperature of -40 ~ 70°C

C € FCC

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-PH & EKI-9508G-PL is a PoE Ethernet switch, it provides 8 x Gigabit Ethernet M12 X-code interface with IEEE802.3af/at PoE(Power Over Ethernet) function. PoE ports can total provide up to 90Watts power budget for P.D. devices (such as camera, IP-phone and wireless access point). EKI-9508G-PH/ PL features a "slim" design, can be easy deployed with its slender size and let network deployment more simple in crowded carriage/ cabinet.

Specifications

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

Physical

Enclosure Metal
 Protection Class IP50
 Installation Wall mount

Dimensions (W x H x D) 122.5 x 179.4 x 71.8 mm

• Weight 1.3kg

LED Display

System LEDsPort LEDPurt Led</li

Environment

• Operating Temperature $-40 \sim 70^{\circ}\text{C}$ • Storage Temperature $-40 \sim 85^{\circ}\text{C}$

■ Ambient Relative Humidity 5 ~ 95% (non-condensing)

Power

■ **Power Consumption** ~5 W (system)

PoE Power Budget
 EKI-9508G-PH: 90 Watts
 EKI-9508G-PL: 60 Watts
 Power Input
 EKI-9508G-PH: 72/96/110 Vnc

EKI-9508G-PL: 24/48 V_{DC}

 Operating Voltage EKI-9508G-PH:50.4~137.5 V_{DC} EKI-9508G-PL: 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),

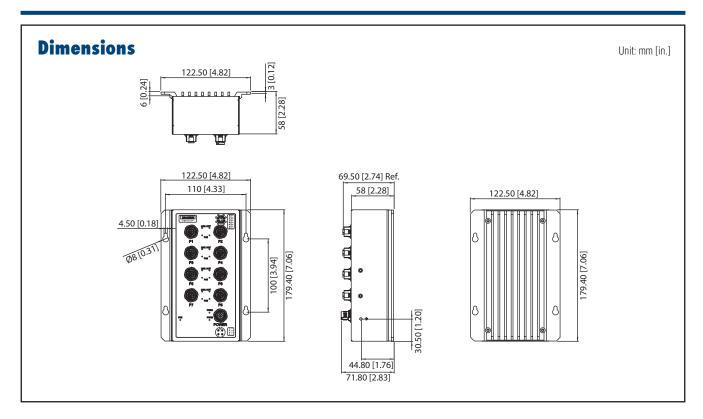
EN61000-4-6 (CS)

Shock IEC 61373
 Freefall IEC 60068-2-31
 Vibration IEC 61373

■ **Rail Traffic** EN 50155; EN50121-3-2

L2 Features

L2 MAC AddressJumbo Frame9 KB



Ordering Information

- EKI-9508G-PH-AE
- EKI-9508G-PL-AE

Layer 2 Switch, 8 x M12 Gigabit Ethernet with PoE/PoE+, 72/96/110 $V_{\rm DC}$ dual power input Layer 2 Switch, 8 x M12 Gigabit Ethernet with PoE/PoE+, 24/48 $V_{\rm DC}$ 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	Q\	M12 A-code 4 pin Female to 1m cable		
1990023703S000		M12 waterproof CAP (1pc.)		