

EKI-6528TI

EKI-6528TPI

EN50155 8-port M12 Unmanaged Switch with Wide Temperature

EN50155 8-port M12 Unmanaged PoE Switch with Wide Temperature

NEW



EKI-6528TI



EKI-6528TPI



Features

- Auto Bypass between Port 1 and Port 2
- EN50155 certified
- Backplane (Switching Fabric): 1.6 Gbps
- Wide redundant power design
- 8-port 10/100Mbps M12 type connector with IP-40 protection
- 4-port PoE type M12 (EKI-6528TPI)
- Dual redundant power input
- Supports wide operating temperature (-40~ 75°C)

Introduction

EKI-6528TI and EKI-6528TPI are EN50155 certified industrial switches with IP40 protection and wide temperature support designed for railway applications. EKI-6528TPI provides 4 x PoE ports that support IEEE 802.3af and can provide up to 15.4 watts of power per port. M12 connectors ensure highly reliable connectivity for industrial communication applications. With IP40 compact metal housings, these switches are protected against dusty environments and are a good fit for many industrial applications. Under no-power condition, 'Auto Bypass' function ensures the Ethernet signal connection through internal circuitry. This feature provides non-stop communication to rolling stocks even no power exists in some of the carriages.

Specifications

Communications

- **Standard** IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af
- **LAN** 10/100Base-T(X)
- **Transmission Speed** Up to 100Mbps

Interface

- **Ethernet** M12, 4-pole D-coded, Female x 8

Mechanism

- **Enclosure** IP40 protected metal shell
- **Dimensions (W x H x D)** 92 x 180 x 42 mm
- **Mounting** DIN-rail, Wall mount

Power

- **Power Consumption** 3.36W max. @ 48V_{DC} (EKI-6528TI)
72 W max. @ 24 V_{DC} (EKI-6528TPI)
- **Power Input** 24 ~ 48 V_{DC}, redundant dual inputs (for EKI-6528TPI)
12 ~ 48 V_{DC}, redundant dual inputs (for EKI-6528TI)
- **Power Connector** M12, 5-pole A-coded, male x 1
- **P-Fail Output** 1A @ 24 V_{DC}
- **P-Fail Connector** M12, 8-pole A-coded, Female x 1

Protection

- **Power Reverse** Present

Environment

- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)

Certifications

- **Safety** UL, cUL 60950
- **EMC** CE, FCC Class A
IEC61000-4-2/3/4/5/6/8
EN61000-6-2
- **Shock** IEC61373
- **Freefall** IEC60068-2-32
- **Vibration** IEC61373
- **Railway** EN50155, EN50121-3-2, EN50121-4

Ordering Information

- **EKI-6528TI** EN50155 8-port M12 Unmanaged Ethernet Switch
- **EKI-6528TPI** EN50155 8-port M12 Unmanaged PoE Switch