

EKI-2701PSI

Industrial PoE Splitter with Wide Temperature

NEW



Features

- Supports 10/100/1000T(X) for PoE in and Data out
- IEEE802.3af compliant split power/data from PoE equipment
- Power Isolation and short circuit protection for power output
- Supports output power up to 12.95 W at 24 V_{DC}
- Provides slim size and DIN-rail/Wallmount with IP30 metal mechanism
- Supports operating temperatures from -40 ~ 75° C
- Provides EFT protection 3000 V_{DC} for power line
- Supports 4000 V_{DC} Ethernet ESD protection

Introduction

With the technology of PoE (Power over Ethernet), we can transfer both data and electrical power to Ethernet-enabled devices using a standard Ethernet CAT5 cable, EKI-2701PSI plays the role of powered device (PD) and splits power from PoE to Ethernet devices. In this case, both power and data can be transmitted up to 328 feet (100m) from power source equipment (PSE). This product can operate in a wide range of temperature between -40 and 75° C, and the rugged hardware design makes EKI-2701PSI perfect to ensure your PoE Ethernet equipment can meet industrial applications demanding.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3af, 802.3ab
- **LAN** 100Base-TX, 10/1000Base-T(X)
- **Transmission Distance** Up to 100 m
- **Transmission Speed** up to 1000 Mbps

Interface

- **Connectors** PoE IN: RJ-45
DATA OUT: RJ-45
6-pin removable screw terminal (power output)
- **LED Indicators** Power
Link/Activity, Duplex/Collision

Power

- **Power Consumption** 17.76W @ 48 V_{DC}
- **Power Input** +44 ~ 57 V_{DC}
- **Power Output** 12.95 W @ 24 V_{DC}

Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

Protection

- **ESD (Ethernet)** 4,000 V_{DC}
- **Surge (EFT for power)** 3,000 V_{DC}
- **Overload** 0.539A @ 24 V_{DC}

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)
- **MTBF** 440,132 hrs

Certifications

- **Safety (1000 Mbps)** UL 60950-1, CAN/CSA-C22.2 No.60950
- **EMC** U.S.A.: FCC Part 15 CISPR 22
EU: EN55011, EN61000-6-4
EN55022 Class A,
EN61000-3-2/3
EN55024
IEC61000-4-2/3/4/5/6/8
EN61000-6-2/4
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

Ordering Information

- **EKI-2701PSI** PoE Splitter w/ Wide Temp