EKI-2701PSI

Industrial Ethernet PoE Splitter with Wide Temperature

NEW

CE FCC (UL)

Features

- Supports 10/100/1000T 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 12.95W at 24VDC
- Provides slim size and DIN-rail/Wallmount with IP30 metal mechanism
- Supports operating temperatures from -40 ~ 75° C
- Provides EFT protection 3000 VDC for power line
- Supports 4000 VDC 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
LAN	100Base-TX, 10/1000Base-T
Transmission Distance	Up to 100 m
Transmission Speed	Up to 100 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 @ 48VDC
Power Input	+44 ~ 57 VDC
Power Output	12.95W @ 24VDC

Mechanism

Dimensions (WxHxD)	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 @ 24VDC

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
	EN61000-6-22/4
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6

Ordering Information

- **EKI-2701PSI** — Industrial Ethernet PoE Splitter, Wide Temp.