

SPL-24 Series

IEEE802.3af PoE Splitter



Highlights

- > IEEE802.3af compliant split power/data from PoE equipment
- > Supports output power up to 12.95 W at 24 VDC
- > Short circuit protection for power output
- > Auto disconnection for over voltage of power input
- > -40 to 75°C operating temperature range (T model)
- > DIN-Rail mounting ability



Introduction

With the technology of PoE, we can transfer both data and electrical power to Ethernet-enabled devices using a standard Ethernet CAT5 cable. SPL-24 plays the role of powered devices (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 from 0 to 60°C or -40 to 75°C for T model, and the rugged hardware design makes SPL-24 perfect for ensuring your PoE Ethernet equipment can meet demanding industrial applications.

Specifications

Technology

Standards: IEEE802.3af

Interface

RJ45 Ports: 10/100BaseT(X) for PoE IN and DATA OUT

LED Indicators: Power

Power

Input Voltage: 44 to 75 VDC

Output Voltage: 24 VDC

Output Power: 12.95W (0.54A @ 24 VDC)

Connection: Removable 3-pin terminal block for output

Overload Current Protection: 400 mA (@ 48 VDC input)

Efficiency: 85% (at 25°C, fully loaded)

Mechanical

Casing: IP30 protection, plastic case

Dimensions (W × H × D): 24.87 × 109 × 88 mm
0.98 × 4.29 × 3.46 in.

Weight: 95 g

Installation: DIN-Rail

Environmental

Operating Temperature: 0 to 60°C (32 to 140°F)
-40 to 75°C (-40 to 167°F) for T model

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

Regulatory Approvals

Safety: UL508 (Pending)

Hazardous Location:

UL/cUL Class I, Division 2, Groups A, B, C, and D

ATEX Class I, Zone 2, EEx nC IIC (Pending)

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), level 3

EN61000-4-3 (RS), level 3

EN61000-4-4 (EFT), level 3

EN61000-4-5 (Surge), level 3

EN61000-4-6 (CS), level 3

EN61000-4-8

EN61000-4-11

Shock: IEC60068-2-27

Freefall: IEC60068-2-32

Vibration: IEC60068-2-6

MTBF: 5,100,000 hrs

Database: MIL-HDBK-217F, GB 25°C

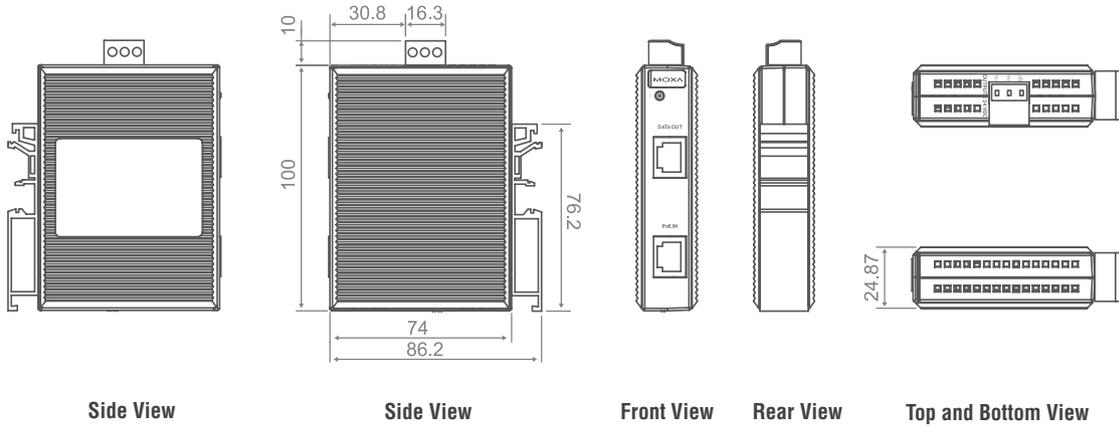
*Please check MOXA's website for the most up-to-date certification status.

Warranty

5 years

Dimensions (unit = mm)

[SPL-24]



Ordering Information

- **SPL-24:** PoE splitter, maximum output of 12.95W at 24 VDC, 0 to 60°C
- **SPL-24-T:** PoE splitter, maximum output of 12.95W at 24 VDC, -40 to 75°C