

# SPL-24 Series

## IEEE 802.3af PoE splitters



- > IEEE 802.3af compliant; splits power and data from PoE equipment
- > Supports output power up to 12.95 W at 24 VDC
- > Short circuit protection for power output
- > Auto disconnection if power input voltage is too high
- > -40 to 75°C operating temperature range (T models)
- > DIN-Rail mounting ability

The certification logos shown here apply to some or all of the products in this section. For details, see "Regulatory Approvals" under "Specifications" below.



### Specifications

#### Technology

##### Standards:

IEEE 802.3 for 10BaseT  
 IEEE 802.3u for 100BaseT(X)  
 IEEE 802.3af for Power-over-Ethernet

#### Interface

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

**LED Indicators:** Power

#### Power Requirements

**Input Voltage:** 44 to 75 VDC

**Output Voltage:** 24 VDC

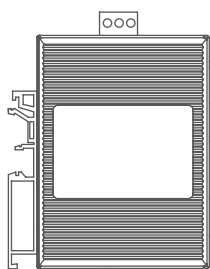
**Overload Current Protection:** 400 mA @ 48 VDC input

**Connection:** 1 removable 3-contact terminal block for output

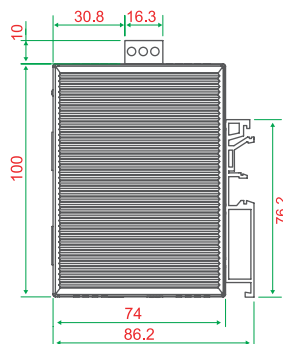
**Output Power:** 12.95 W (0.54 A @ 24 VDC)

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

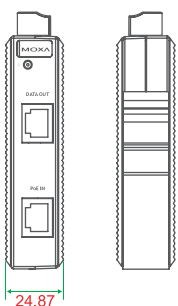
#### Dimensions (unit = mm)



Side View



Side View



Front View Rear View



Top and Bottom Views

#### Physical Characteristics

**Housing:** Plastic, IP30 protection

**Dimensions:** 24.87 × 100 × 86.2 mm (0.98 × 3.93 × 3.39 in)

**Weight:** 95 g

**Installation:** DIN-Rail mounting

#### Environmental Limits

##### Operating Temperature:

Standard Models: 0 to 60°C (32 to 140°F)

Wide Temp. Models: -40 to 75°C (-40 to 167°F)

**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 (Pending); ATEX Class I, Zone 2, Ex nC IIC (Pending)

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

##### EMC:

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:** IEC 60068-2-27

**Freefall:** IEC 60068-2-32

**Vibration:** IEC 60068-2-6

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

#### MTBF (mean time between failures)

**Time:** 5,100,000 hrs

**Database:** MIL-HDBK-217F, GB 25°C

#### Warranty

**Warranty Period:** 5 years

**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

### Ordering Information

#### Available Models

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

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