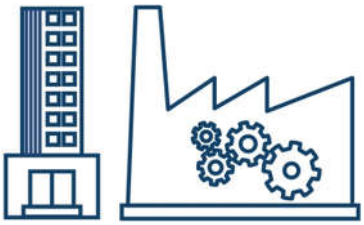


240W, 52V DC, 4.61A AC to DC DIN-Rail Power Supply with PFC Function

TI-S24052 (v1.0R)

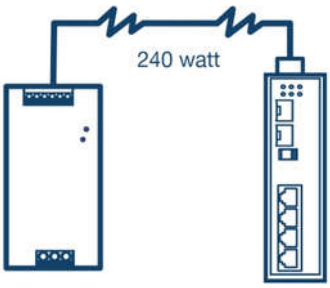
- Industrial power supply with integrated DIN-Rail mount
- Provides up to 240W of power (52V DC, 4.61A)
- Supported output voltage 48 – 56V DC
- High efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active Power Factor Controller (PF > 0.98)
- Cooling by natural air convection
- Protections: Overload, short circuit, over power, over voltage, over current, over temperature
- UL 508 approved
- Built-in DC OK relay contact
- -25° – 70° C (-13° – 158° F) wide operating temperature range

TRENDnet's AC to DC Industrial DIN-Rail Power Supply with PFC Function, model TI-S24052, supplies up to 240W (52V DC, 4.61A) of power to industrial equipment, such as PoE switches, injectors, and WiFi access points. This industrial power supply supports active PFC to help eliminate unusable reactive power, and comes with an integrated DIN-Rail mount. It also supports protections for overload, short circuit, over voltage, over current, and over temperature. The industrial power supply is designed for industrial environments with an operating temperate range of -25° – 70° C (-13° – 158° F).



Industrial Applications

Power network devices for manufacturing, general industrial, warehousing, surveillance, and corporate applications.



240W Power

Provides up to 240W (52V DC, 4.61A) of power for PoE devices, such as switches, injectors, and access points.



Wide Operating Temperature

Designed for industrial environments with an operating temperature range of -25° – 70° C (-13° – 158° F).

FEATURES

240W Power

Provides up to 240W (52V DC, 4.61A) of power for PoE devices, such as switches, injectors, and access points

Active PFC

Built-in active Power Factor Controller (PFC, PF > 0.98) helps eliminate unusable reactive power

Protections

Overload, short circuit, over voltage, over current, and over temperature protections

Passive Cooling

The industrial power supply is cooled by natural air convection

DIN-Rail Mount

The DIN-Rail power supply features a metal enclosure with integrated DIN-Rail mount

Wide Operating Temperature

The hardened power supply is designed for industrial environments with a wide operating temperature range of -25° – 70° C (-13° – 158° F)

Safety Certifications

EN 62368-1
BS EN 62368-1
CB IEC 62368-1
UL 530470, 2014-12-1, CAN/CSA C22.2 No.62368-1-14, 2014-12

Electro Magnetic Emission/ Immunity

EN 55032
BS EN 55032
EN IEC 61000-3-2
BS EN IEC 61000-3-2
EN 61000-3-3
BS EN 61000-3-3
EN 55035
BS EN 55035
AS/NZS CISPR 32
FCC CFR Title 47, Part 15, Subpart B
ICES-003 Issue 7

LED Indicator

LED indicator confirms power to the industrial power supply

SPECIFICATIONS

Interface

- Input: 90 – 264V AC, 47 – 63Hz, 3.15A 127 – 370V DC
- Output: 240W, 48 – 56V, 0 – 4.6A
- DIN-rail: TS-35/7.5 or 15

Housing

- DIN-rail mount
- Power LED indicator

Special Features

- DC OK relay contact
- 150% peak load capacity
- Protection functions
  - Short circuit
  - Over power
  - Over voltage
  - Over current
  - Over temperature
- Protection type: shutdown and self-recovery

Operating Temperature

- -25° – 70° C (-13° – 158° F)

Operating Humidity

- Max. 90% non-condensing

MTBF

- 200,000 hours @ 25° C

Dimensions

- 63 × 124 × 114mm (2.5 x 4.9 x 4.5 in.)

Weight

- 844g (1.86 lb.)

Certifications

- CE
- FCC
- UL 530470
- CB IEC 62368

Warranty

- 1 year

Package Contents

- TI-S24052

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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