

Instruction manual

APS-120-550-DIN4

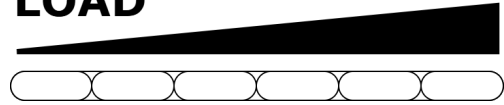
Switched-mode power supply 55V 120W
in DIN4 housing

Operation Indication

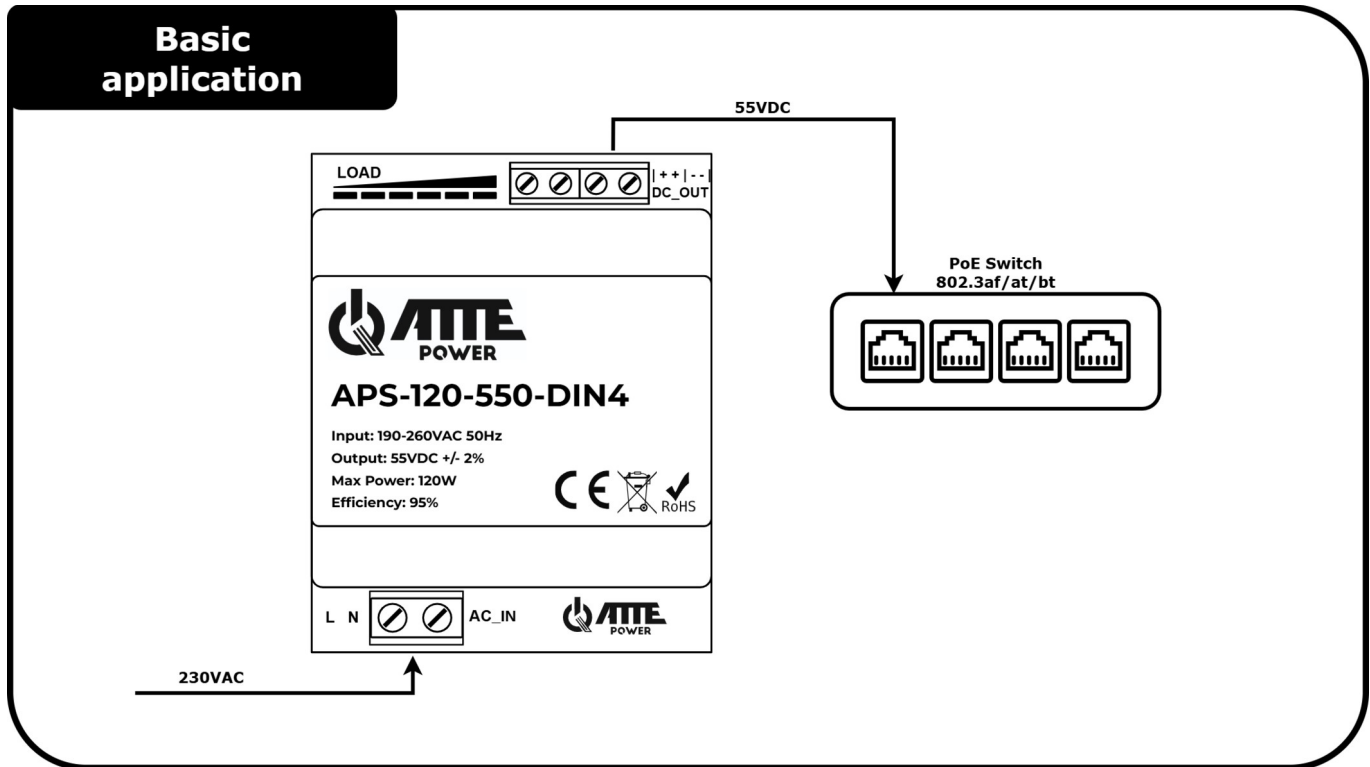
Load indicator:

- **White** – Standby mode (no load)
- **Green** – Current power consumption
- **Blue** – Maximum power consumption recorded
- **Red** – Exceeding ~110W power consumption

LOAD



Basic application



Description

APS-120-550-DIN4 is a switching power supply providing a constant voltage of 55V. The device is a dedicated solution for automation and monitoring systems.

The module is used to power IP PoE devices, such as PoE switches.

The total power of the power supply is 120W, available on the DC_OUT screw connector.

The power supply has the option of redundant power supply using another module with the same voltage (SWPS-4-11-DIN4, APS-120-550-DIN4).

Thanks to the built-in load indicator, we can determine the current power consumption of the device.

DIN4 housing allows for convenient mounting on a TH35 rail in electrical switchboards and control cabinets.

Installation

1. Install the device in the selected location of the switchboard.
2. Connect the 230VAC power cord to the AC_IN screw terminal block.
3. Connect a device powered by 55V to the DC_OUT connector.
4. Install the switchboard covers.
5. Turn on the switch power supply.

Technical Specification

Output voltage	55V +/- 2%, available on the DC_OUT
Output current	2.2A
Maximum power	120W
Efficiency	95% @120W
Input voltage	190 ... 260 VAC, 50 Hz
Additional features	The device has a redundant power supply option using a second module with the same voltage (SWPS-4-11-DIN4, APS-120-550-DIN4).
Power supply protection	AC_IN 3.15A slow-blow fuse Surge protection DC_OUT 2.5A power supply overload protection Surge protection
Operation indication	Load indicator: - White – Standby mode (no load) - Green – Current power consumption - Blue – Maximum power consumption recorded - Red – Exceeding ~110W power consumption (close to overload)
Housing Construction	DIN4 housing Material: plastic Colours: base (RAL 9005), top of housing (RAL 7035) Compliant with DIN 43880 standard
Assembly	On the TH35 rail
Ingress Protection Rating	IP20
Operating Temperature	-25 ... +65°C
Dimensions	72 x 90 x 61 mm
Weight	0,157 kg

Find out more

**APS-120-550-DIN4
on the WWW site**



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Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

