



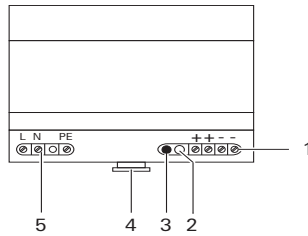
24 V DC/5 A
power supply unit

GIRA

Order No. 0535 00

10861917 24/13

Device description



- 1 Output: DC 24 V
- 2 Potentiometer
- 3 Status LED
- 4 Clamping tie bar
- 5 Input: AC 230 V

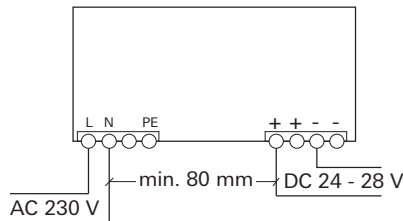
Mount power supply unit

DANGER

Touching live parts can result in an electric shock causing danger for life and limb. Isolate all appropriate circuit breakers before working on the device or load. Cover up live parts in the vicinity.

Mount the power supply unit as follows:

1. Switch the mains voltage off.
2. Place the power supply unit on the top-hat rail.
3. Wire the inputs and outputs according to the application.



4. Switch on mains voltage.

Danger of property damage in case of improper mounting

To ensure trouble-free use of the device, observe the following during mounting:

- Mount only vertically with the clamping tie bar facing downward.
- Never cover the ventilation slits (risk of overheating).
- A minimum distance of 40 mm must be maintained to other devices above and below the device to ensure unhindered air circulation.

Danger of property damage in case of improper operation

The device is only suitable for operation in mains of overvoltage category II.

The device must only be operated in accordance with the ambient temperatures specified on the device label.

LED status

LED	Meaning
ON	Operation
OFF	Overload or short circuit

Disposal



This is an electric and electronic device in the sense of the EU guideline 2002/96/EC.

High-quality materials and components were used in developing and manufacturing the device. These materials and components can be reused and recycled.

Please consult the regulations governing the separate collection of electric/electronic waste valid for your country. These devices may not be disposed of with household waste. The correct disposal of waste can prevent possible negative consequences to the environment and humans.

Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/specialist electrical trade). They will forward the devices to the Gira Service Center.

Technical data

Input voltage:	AC 230 V ± 10%
Frequency:	48 to 63 Hz
No-load power:	0.95 W
Display elements:	Status LED
Output voltage:	DC 24 V
No-load voltage:	DC 24 V
Output voltage tolerance:	± 3%
Adjustable output voltage:	DC 24 to 28 V
Output current:	5 A
Current limitation:	6.3 A
Short-circuit current	7.5 A
Efficiency:	90%
Power factor:	0.45
Minimum load:	0 Ω
Overload protection:	Electronic
Short-circuit protection:	Electronic
Overvoltage protection:	Electronic
Ambient temperature:	-10 to +50 °C
Power reduction at 10 °K exceedance from +50 °C:	-30%
Relative humidity (without condensation):	5 to 90%
Protection level:	IP20
Protection class:	II
Housing dimension:	6 HP
Safety standard:	EN60950-UL508
Min. distance between input and output cables:	34 mm
EMC standard:	EN55022/B EN61000-4
CE regulation:	2006/95/ECC-89/336

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For your safety

Electrical devices may only be installed and mounted by a qualified personnel. If these instructions are not observed, there is a danger of material damage and injury.

These instructions are part of the product and must remain with the end customer.

Function

The power supply unit supplies power to devices with 24-28 V DC/5 A. Because of its assembly according to the flyback converter principle, the output voltage remains within a tolerance of ± 3%, even in case of mains voltage fluctuations and load variations.

A minimum load is not required. The output voltage remains stable in the load range of 0 to 100%.

Product features:

- Output voltage adjustable from 24 to 28 V DC (potentiometer).
- No hiccup mode function. The device starts up safely even for difficult loads (DC/DC converters, motors, etc.).
- High level of stability. There is neither "ringing" nor "overshoot" behaviour in case of load fluctuations.
- Status LED indicates operation, overload, or short circuit.
- The power supply unit can also be powered with DC voltage (input). The following then applies:
 - Input voltage range 280 to 350 V DC for devices with 230 V AC input voltage or
 - Input voltage range 130 to 350 V DC for devices with low-range input voltage
- Install in distributor boxes made of self-extinguishing material in compliance with DIN EN 60950 only.
- For mounting on a top-hat rail TH35 in accordance with DIN 60715.

Scope of supply

- 1x power supply unit
- 1x installation and operating instructions

Ensure the package contents are complete and undamaged. When filing complaints, see "Warranty".