

Power rectifier Plus 5981 00 for installation on DIN top-hat rail
Power rectifier Plus 5998 00 for wall installation

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Safety instructions

Installation and mounting of electrical devices may only be carried out by qualified electricians.

Failure to observe the instructions can result in damage to the device, fire or other dangers.

Isolate before working on the device or load. Take account of all circuit breakers supplying dangerous voltage to the device or load.



Provide circuit breaker!

Connect a circuit breaker type D, max. 16 A upstream from the power supply unit.

Function

Power supply unit with input voltage of 230 V AC +/-15 %.

Output voltage 24 V DC.

The device is designed for 24-hour operation at rated output.



Note: read the system operating instructions.

Become familiar with all the possibilities of the device and the complete call system. Please read the system operating instructions available in various languages on the CD-ROM enclosed with the ward control centre.

Scope of delivery

- Order No.: 5981 00, power rectifier Plus with carrier for installation on DIN top-hat rail.
- or
- Order No.: 5998 00, power rectifier Plus for wall installation.

Installation

The power rectifier Plus must be installed in a dry, dust-free and well ventilated location.

Order No.: 5981 00 intended for installation on top-hat rail.

Order No.: 5998 00 intended for wall installation.



Important! Do not install in patient's rooms!

The device must be securely installed. Access to the device for skilled electrical personnel must be possible at all times.



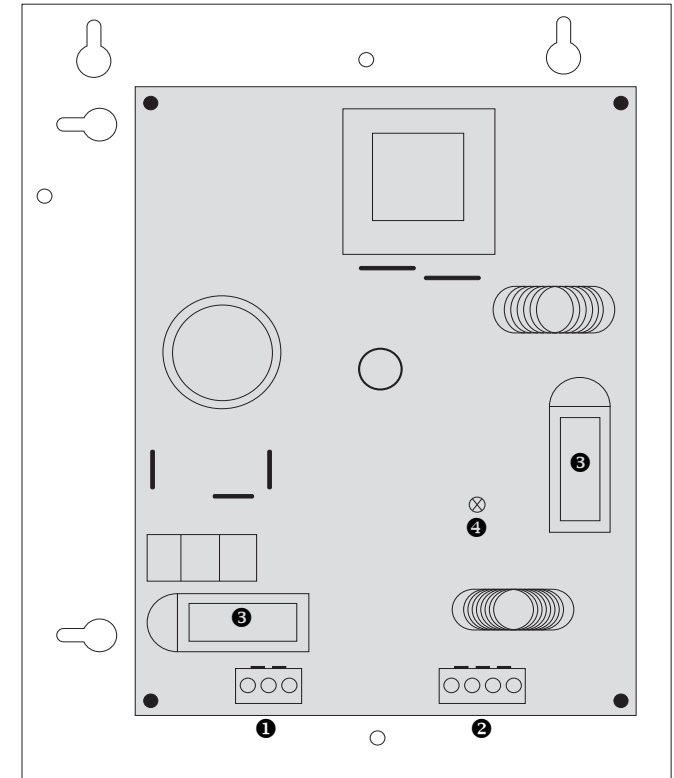
Important! Danger of overheating!

With an unfavourable installation location, heat accumulation may cause device overheating. This may cause damage. Ensure sufficient air circulation to prevent heat accumulation.

Device overview

The power rectifier 5998 00 has an LED status display in the device cover:

The LED lights up green when mains voltage is applied.



Legend:

- ❶ Terminals for input voltage 230 V AC
- ❷ Terminals for output voltage 24 V DC
- ❸ Micro-fuses: input T 2 A, output T 6.3 A
- ❹ Status LED: green when mains voltage applied.

Fig. 1: The PCB of the power rectifier

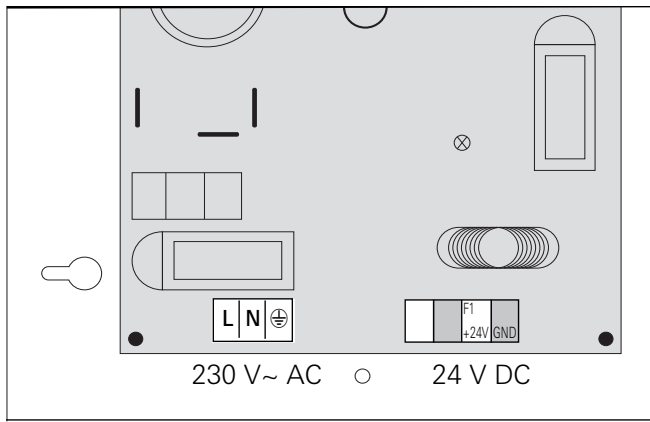


Fig. 2: PCB connections

Start-up

Carry out the following steps:



Important! Danger!

Electric shock if live parts are touched.

Electric shock may lead to death.

Isolate all appropriate circuit breakers and fuses before working on the device or load. Cover up live parts in the vicinity!

1. Connect 230 V AC input voltage (see fig. 2, 230 V AC).
2. Connect system devices to the 24 V connection terminal (see fig. 2). Note the energy points section of the system operating instructions.

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/electrical specialist trade). They will forward the devices to the Gira Service Center.

Technical data

Input (primary voltage)

Rated voltage:	230 V (+/- 15 %)
Mains frequency:	45 to 65 Hz

Output (secondary voltage)

Output voltage in mains operation:	27.2 V (+/- 0.5 %)
Rated output current:	6 A
Output power:	150 W

Protection class:	I
Protection level:	IP 30
Fuse on the primary side:	T 2.0 A
Fuse on the secondary side:	T 6.3 A
Ambient temperature at 100% load:	-5 °C to +40 °C
Dimensions (L x W x H)	
Wall installation 5998 00:	245 x 194 x 85 mm
DIN rail 5981 00:	170 x 125 x 65 mm
Weight:	
Wall installation 5998 00:	1.85 kg
DIN rail 5981 00:	1.25 kg