

Alarm power supply 230 V

E47ADCN

Description

The power supply must be used to power the burglar-alarm system. It supplies continuous 27 Vdc low voltage with a maximum current of 1 A, and is electronically protected (without fuse) against short circuit and overload.

It's a double insulation safety device in accordance with CEI EN 60065, which provides power supply to all the system devices connected to the system using the twisted 2-wire SCS/BUS cable, creating a SELV system (Safety Extra - Low Voltage) as described in the CEI 64-8 standards (ref CEI 64-8-4 par 411.1.2.5).

The power supply must be connected to the 12 Vdc 7.2 to 24 Ah battery to ensure the operation of the system in case of power cut, to be installed inside an item F115/8B enclosure, protected against unwanted opening.

To guarantee physical protection, the power supply unit must be installed in appropriate electric switchboards, with opening protected using the appropriate Tamper device, item L4630.

The device is enclosed in an 8 module DIN rail container, and its installation must be in accordance with the regulations of the country of use.

In general, the following requirements must be met:

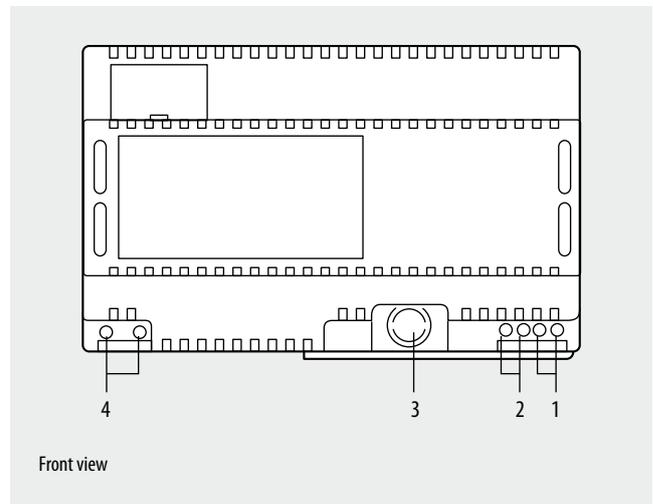
- The power supply must always be installed in appropriate enclosures, item F115/8A;
- The device must be kept away from water drips and sprays;
- Care must be taken not to obstruct the air vents;
- A double-pole thermal magnetic circuit breaker with contact separation of at least 3 mm must be used, positioned near the power supply. The circuit breaker is used to disconnect the power supply from the mains, and to protect it.

Technical data

- SELV double insulation safety device in accordance with CEI EN 60065 standard
- Power supply: 230 Vac +/- 10% 50/60 Hz
- Max. absorption: 300 mA
- Maximum current supplied: 1 A
- Battery charging current: 400 mA
- Dissipated power: 15 W
- Operating temperature: 5 – 40°C
- Protection index: IP30

Dimensional data

Size: 8 DIN modules



Legend

- 1 - Back-up battery connection clamps;
- 2 - Clamps for the connection of the SCS BUS;
- 3 - Tamper protection device socket;
- 4 - Network voltage connection clamps.

Maximum current delivered by the devices

	type of battery installed			
		7.2 Ah	12 Ah	24 Ah
Duration in case of power line failure	24 h	110 mA(*)	190 mA(*)	380 mA
	15 h	180 mA	300 mA	600 mA
	8 h	340 mA	560 mA	700 mA

(*) In these cases the system complies with level 2 of CEI 79-2 standard.