



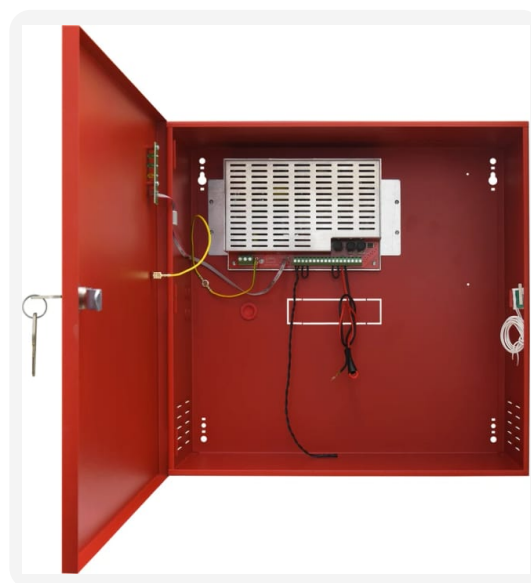
PULSAR

Pulsar EN54C-5A40 fire alarm power supply 27.6 V / 5 A, for 2 × 40 Ah batteries

Product code 61444 · Aspirating smoke detection > Power supplies

EN 54-4 compliant 27.6 V power supply for fire alarm and aspirating equipment. Continuous output current 3.2 A, space for two 40 Ah batteries. LED indicators, red steel enclosure.

- Approved to EN 54-4 and EN 12101-10, CPR 1438-CPR-0628
- Output 27.6 V DC, continuous 3.2 A (short-term 5 A)
- Batteries 2 × 40 Ah (max. 45 Ah), charging current 1.8 A
- Relays for mains failure (EPS) and common fault (ALARM)
- Two outputs AUX1 and AUX2, fuse protected



Product description

EN54C-5A40 is a power supply in Pulsar's EN54C series for fire alarm system equipment, such as aspirating smoke detectors. It is tested to EN 54-4 and EN 12101-10 and holds CPR certificate 1438-CPR-0628 issued by CNBOP-PIB. The unit supplies 27.6 V DC to two fuse-protected outputs (AUX1 and AUX2) and charges the backup batteries. The continuous output current is 3.2 A and the short-term maximum 5 A (5 min). The enclosure holds two 40 Ah batteries.

The unit monitors the mains, battery and outputs. Mains failure (EPS, 10 s delay) and common fault (ALARM) are signalled by relays, and the enclosure has a tamper switch. Protection includes short-circuit, overload and overvoltage protection, deep discharge protection and reverse polarity protection for the battery. The status is shown by LED indicators. The enclosure is red-painted sheet steel (RAL 3001) with a lock.

Technical data

Product code	61444
Manufacturer	Pulsar
Manufacturer's code	EN54C-5A40
Product group	Aspirating smoke detection > Power supplies
Supply voltage	230 V AC, 50 Hz
Current consumption	1.38 A (230 V AC)
Output voltage	27.6 V DC
Output current	3.2 A continuous, 5 A short-term (5 min)

Output power	142 W (efficiency 87%)
Battery bank	2 × 40 Ah (max. 45 Ah)
Battery charging current	1.8 A
Outputs	AUX1, AUX2
Relays	EPS and ALARM, 1 A / 30 V DC
Fuses	FBAT F10 A, FAUX1-2 F6.3 A
IP rating	IP30
Protection class	I
Operating temperature	-5...+40 °C
Storage temperature	-25...+60 °C
Humidity	20-90%
Colour	Red (RAL 3001)
Dimensions	420 × 407 × 178 mm (+8 mm) (W × H × D)
Weight	7.5 kg (without batteries)
EN 54 approval	EN 54-4
Standards	EN 12101-10
CPR	1438-CPR-0628

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Datasheet (series): EN54C power supplies

User manual (series): EN54C power supplies

Certificate: CPR certificate of constancy of performance, no. 1438-CPR-0628

Certificate: Declaration of performance (DoP), no. DoP/EN54C_EN54C-LCD/2019/1

Certificate: CNBOP-PIB certificate of admittance (Poland), no. 5222/2024

Technical datasheet: Dimensional drawing EN54C-5A40

Request a quote or ask for more information

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Up-to-date information and documents: pap.fi/en/tuote/pulsar-en54c-5a40/