

SWITCH MODE POWER SOURCE 24V_{cc}/5A

AE/FL-5A

Description

24Vdc / 5A short-circuit switched power supply manufactured according to EN 54-4.
Bitension 230/115 Vac; 50 / 60Hz Provided with luminous indications of the general state of the power supply, state and charge of the batteries and of the fuses of exit according to norm EN 54-4. It has 2 independent outputs protected against short circuits.



TECHNICAL CHARACTERISTICS

Connection:

Cable entries: 26 mm Ø tube entries in the upper and central part

Cable section: 2.5 mm² maximum

Feeding:

Supply voltage: 230 V / 50 Hz.

Recommended cable: H05 VV-F 3 X 1.5mm²

Switching source adjustment voltage: 28.2 V

Working voltage: 27.2 V

Supply voltage fault: <21.5 V
> 29.5 V

Automatic disconnection: <20.5 V

Maximum source and charger current: 5.2 A.

Maximum output current: 4.5 A

Maximum current per output: 3.0 A

Batteries:

Battery type: 2 sealed lead-acid rechargeable batteries. 12V / 7Ah or 12V / 17Ah connected in series.

Charging current: 0.05 C corresponding to:

- 350 mA maximum for 7Ah batteries.

- 850 mA maximum for 17Ah batteries.

Charging voltage: 2,275 V per cell, 27.3 V in total

Discharged battery warning voltage: <21.0 V

Deep discharge battery voltage: <16.0 V

Battery status check: every 10 sg

Battery test: every 3 hours, for 10 sg

Maximum internal resistance: 0.5 Ω

Minimum current for Ri measurement:> 1A

Fuses:

Network: Fuse 1 A, in the network connection terminal

Fuse 2 A, in the switched power supply

Batteries: Fuse 6 A, identified as F3 on motherboard

Output 1: Fuse 3 A, identified as F1 on motherboard

Output 2: Fuse 3 A, identified as F2 on motherboard

Indicators:

Generals

- Service
- General Breakdown.
- Red bug.

- Battery failure.

- Charger fault.

- Breakdown Output 1.

- Breakdown Output 2.

- Limit I. Maximum.

- Earth fault.

- System breakdown.

Driving Controls:

Test key: Test of light indicators.

Battery charge test

Relay Outputs:

Relay fault status: NO, C and NC contacts. On standby

Dimensions:

Width: 390 mm

High: 440 mm

Depth: 100 mm

Color: RAL 9002

Material: AP 011 laminated sheet

Weight: 20 kg with 17Ah batteries

