

SWITCH MODE POWER SOURCES 24V_{cc}/2A

AE/FL-2A

Description

24Vdc / 2A 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 fuses
 output according to standard EN 54-4. It has 2 independent outputs protected against short circuits.



TECHNICAL CHARACTERISTICS

Connection:

Cable entries: 26 mmØ tube entries
 150 x 35 mm detachable window at the rear

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: 2.35 A.

Maximum output current: 2.0 A

Maximum current per output: 2.0 A

Batteries:

Battery type: 2 sealed lead-acid rechargeable batteries. 12V / 7Ah connected in series.
 Duration: Replace the batteries every 4 years.

Charging current: 0.05 C corresponding to 350 mA maximum for 7Ah 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 2 A, in the network connection terminal

3.15 A fuse, in the switched power supply

Batteries: 3 A fuse, identified as F3 on motherboard

Output 1: Fuse 2 A, identified as F1 on motherboard

Output 2: Fuse 2 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. Activated at rest.

Dimensions:

Width: 320 mm
 High: 273 mm
 Depth: 123 mm.

Color: RAL 9002

Material: AP 011 laminated sheet

Weight: 9 kg with 7Ah batteries.

