POWER SUPPLY
G128-001-001

Features

- 19" cassette 3U-14HP with anodised frontpanel
- Connector: DIN41612H15
- Primary switched regulator
- Input: 230VAC +15% / -20%
- Output: +15VDC/3A / -15VDC/3A
- Nominal output power: 90W

- Low ripple, low noise
- Indicators for mains input and output voltages
- Test sockets on frontpanel
- Compatible with MOOG 127 rack systems
- CE - conformance
### Technical data

#### 1. General characteristics

**operating principle:** two independent working primary switched regulators

**cooling:** heat sink, air convection

**mains selection:** two alternative fuse sockets for 230VAC or 115VAC operation

**outputs:** stabilized ±15VDC/3A; test sockets

**protection:** short circuit and thermal protection; fuse protected

**power fail output:** relay contact (floating)

**fail limits:** |Vout| < 14V ±0.5V;
|Vout| > 16V ±0.5V

**relay contact rating:** switching voltage: max. 48V
switching current: max. 0.5A
switching power: max. 10W
contact potential: max. 32V to GND

**Note:** capacitive or inductive loads are inadmissible

**fuse specification:**
- 230VAC operation (G128-001-001): M2.00A; 250VAC; 5 x 20mm
- 115VAC operation (G128-001-002): M4.00A; 250VAC; 5 x 20mm

#### 2. Electrical

**plug connector:** DIN41612 H15 with leading PE contact

**input voltage:** 184 - 264VAC, 47 - 63 Hz

**main failure buffer time:** 30ms

**output:**
- +15VDC ±0.1V / 0-3A
- -15VDC ±0.1V / 0-3A

**max. output current:** 3.8 ± 0.1A

**nominal output power:** 90W (0...50°C ambient temperature)

**efficiency:** >75%

**temp. coefficient:** <0.01%/K

**output ripple:** <10mVrms

**noise:** <60mVpp (bandwidth 20 MHz)

**load regulation:** <15mV (output load 0...100%)

**dynamic load regulation:** <150mV (100% load change)

**recovery time:** 0.8ms (10 ... 90 % load change)

**line regulation:** <5mV

**test output:** +15V / GND / -15V; short circuit protected

**mains input indicator:** LED green

**output indicator:** LED green (+15VDC / -15VDC)

**fail limits:** |Vout| < 14V ±0.5V;
|Vout| > 16V ±0.5V

**power fail output:** relay contact (floating), closed in normal operation

**fail limits:** |Vout| < 14V ±0.5V;
|Vout| > 16V ±0.5V

#### 3. Mechanical

**design:** 19* all metal cassette according to DIN41494 part 5 / IEC297 part 3

**overall dimension:** 190mm x 70.8mm x 128.4mm

**front panel:** 3HE/14TE, 3U/14HP

**weight:** approx. 1kg

#### 4. Operating data:

**ambient temperature:** 0...50°C (100% load); max. 70°C (derating 40mA/K)

**storage temperature:** -40...85°C

**vibration:** 2g (20m/s²), 10...55Hz, 10 sweep cycles
[EN60068-2-6 (equiv.: IEC-68-2-6)]

**shock:** 10g, 11ms
[EN60068-2-27 (equiv.: IEC-68-2-27)]