

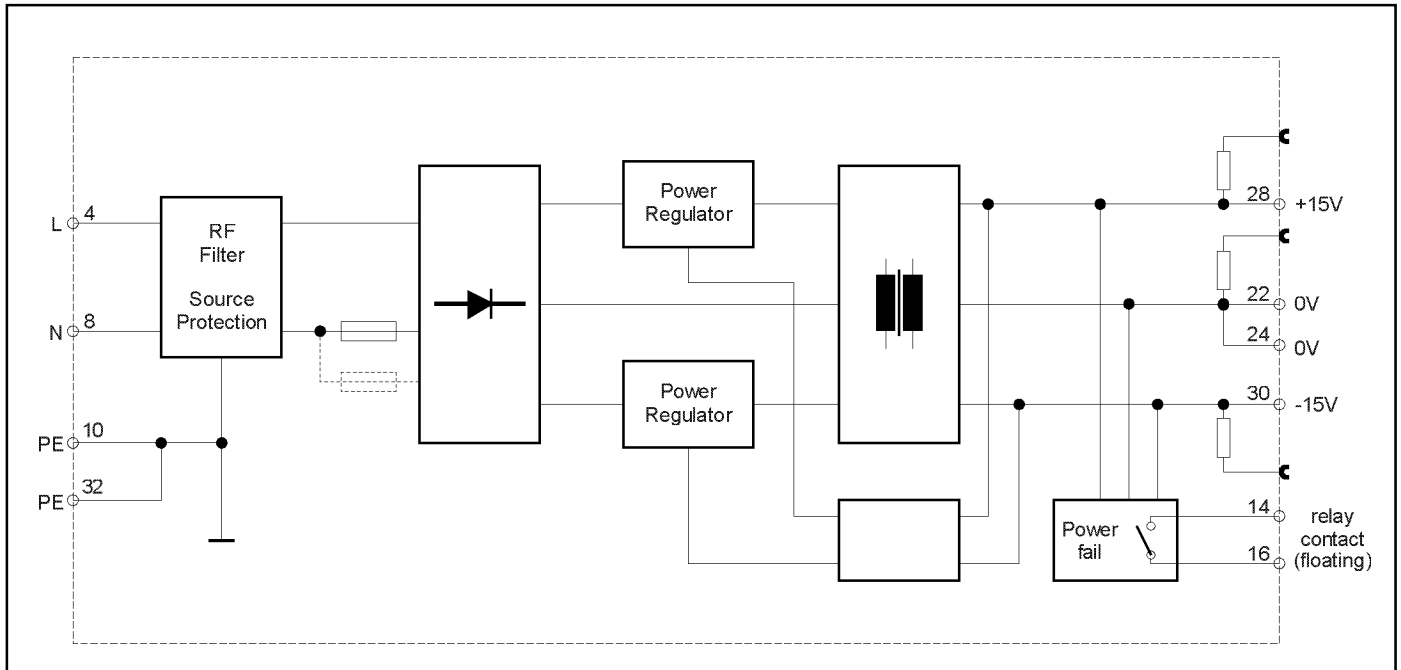
## POWER SUPPLY G128-001-001

### 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



# Block diagram



## 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 $\pm 15\text{VDC}/3\text{A}$ ; test sockets
protection:	short circuit and thermal protection; fuse protected
power fail output:	relay contact

### 2. Electrical

plug connector:	DIN41612 H15 with leading PE contact
input voltage:	184 - 264VAC, 47 - 63 Hz
main failure buffer time:	30ms
output:	+15VDC $\pm 0.1\text{V}$ / 0-3A -15VDC $\pm 0.1\text{V}$ / 0-3A
max. output current:	3.8 $\pm$ 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: $ V_{\text{out}}  < 14\text{V} \pm 0.5\text{V}$ ; $ V_{\text{out}}  > 16\text{V} \pm 0.5\text{V}$

power fail output: relay contact (floating), closed in normal operation  
fail limits:  $|V_{\text{out}}| < 14\text{V} \pm 0.5\text{V}$ ;  
 $|V_{\text{out}}| > 16\text{V} \pm 0.5\text{V}$

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

### 3. Mechanical

design:	19" all metal cassette according to DIN41494 part 5 / IEC297 part 3
overall dimension:	190mm x 70.8mm x 128.4mm
frontpanel:	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/s <sup>2</sup> ), 10...55Hz, 10 sweep cycles [EN60068-2-6 (equiv.: IEC-68-2-6)]
shock:	10g, 11ms [EN60068-2-27 (equiv.: IEC-68-2-27)]

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