

OMP 100



- Adjustable stabilized source to DIN rail
- Output 5/10, 12/24 VDC/96 W
- Current and heat protection
- Power supply 230 VAC

OMP 100 SOURCE - 2x 5 VDC/8 A
SOURCE - 2x 12 VDC/4 A

Description

The OMP 100 model is a universal power source with active compensation of power factor.

The source is in a plastic box with terminal board to DIN rail.

Located on the front of the transmitter there is a bi-color LED, which signals the operational status of the source.

Operation

Output voltage is selected by interconnection of input brackets. Outputs may be operated by parallel, serial or independent connection, as separated with isolation 60 VDC.

Technical data

OUTPUT

Output: 2x 5 VDC/8 A, 2x 12 VDC/4 A
outputs may be used independently, in parallel or in series

Tolerance: $\pm 0,25$ V

Regulation: $\pm 0,1$ V

Ripple: < 50 mV_{rms}

Outage span: > 200 ms

Efficiency: 80 %

Functions: active current restriction as per selected range, overstepping the restriction is signalled by red LED

POWER SUPPLY

Range: 230 V AC/DC, 50/60 Hz, $\pm 10\%$, 120 VA

Input frequency: DC, 47...63 Hz

Input current: 500...45 mA

Starting current: < 20 A, $< 1,5$ ms

Protection: by a fuse inside the instrument (T4A)

MECHANIC PROPERTIES

Material: PA 66, incombustible UL 94 V-1, blue

Dimensions: 113 x 98 x 35 mm

Installation: to DIN rail 35 mm wide

OPERATING CONDITIONS

Connection: connector terminal board, section $< 2,5$ mm²

Stabilization period: within 5 minutes after switch-on

Working temperature: 0°...60°C

Storage temperature: -10°...85°C

Cover: IP20

El. safety: EN 61010-1, A2

Insulation resistance: for pollution degree II, measuring cat. III.

Power supply, output > 300 V (PI), 150 V (DI)

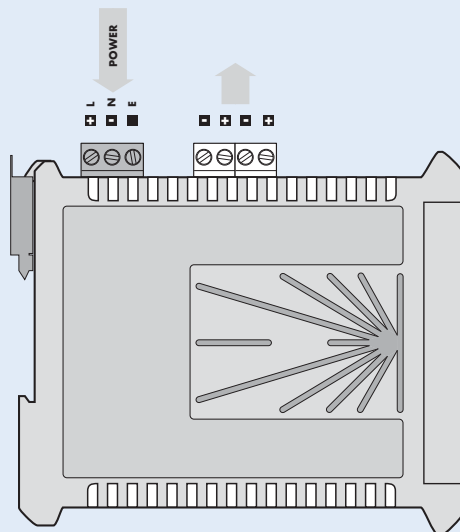
EMC: EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11;

EN 550222, A1, A2

Seismic capacity: IEC 980: 1993, par. 6

PI - Primary insulation, DI - Double insulation

Connection



Order code

OMP 100

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Output

2x 5 VDC

A

2x 12 VDC

B