

## 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, 2x 15 VDC/3,2 A  
outputs may be used independently, in parallel or in series

**Tolerance:**  $\pm 0,25$  V

**Regulation:**  $\pm 0,1$  V

**Ripple:**  $< 50$  mV<sub>rms</sub>

**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  $< 2,5$  mm<sup>2</sup>

**Stabilization period:** within 5 minutes after switch-on

**Working temperature:**  $-20^{\circ}$ ... $60^{\circ}$  C

**Storage temperature:**  $-20^{\circ}$ ... $85^{\circ}$  C

**Cover:** IP20

**El. safety:** EN 61010-1, A2

**Dielectric strength:** 4 kVAC after 1 min between supply and output

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

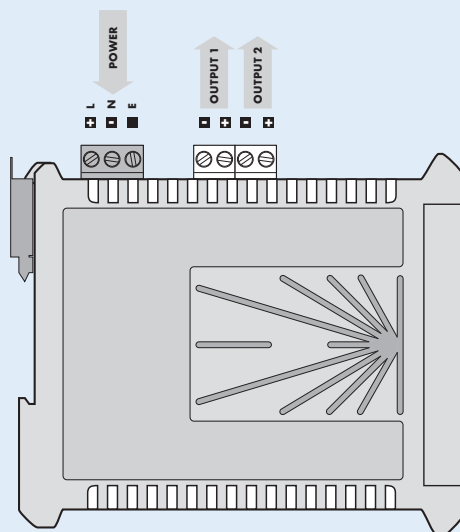
Power supply, output  $> 300$  V (PI), 150 V (DI)

**EMC:** EN 61326-1

**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	<b>A</b>
	2x 12 VDC	<b>B</b>
	2x 15 VDC	<b>C</b>