

# OMP 100



## OMP 100

- Output 2x 5 VDC/8 A  
2x 12 VDC/4 A  
2x 15 VDC/3,2 A
- Current and heat protection
- Power supply 230 VAC

The OMP 100 is a DIN rail mountable universal power source with active power factor compensation.

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

On the face of the transmitter there is a two-color LED, which indicates operating status of the source.

STABILIZED SOURCE

### OPERATION

The output voltage is selected by connecting the input terminals. Outputs can be operated in parallel, in series or independently, as separated with a 60 VDC insulation.

## TECHNICAL DATA

### OUTPUT

No. of outputs	1 The range is adjustable by a switch on the box
Range	A 5 VDC / 8 A B 12 VDC / 4 A C 15 VDC / 3.2 A
Tolerance	±0.25 V
Regulation	±0.1V
Ripple	< 50 mVpp
Outage span	< 200 ms
Efficiency	80 %
Function	active current restriction, overstepping is signalled by red LED

### POWER SUPPLY

Range	230 VAC, ±10%, PF ≥ 0.4, $I_{sp} < 40 \text{ A} / 1 \text{ ms}$ , isolated <i>Protection by fuse inside the device.</i>
Consumption	< 115 W
Input frequency	DC, 47...63 Hz
Input current	500...45 mA
Starting current	< 20 A, < 1.5 ms

### MECHANIC PROPERTIES

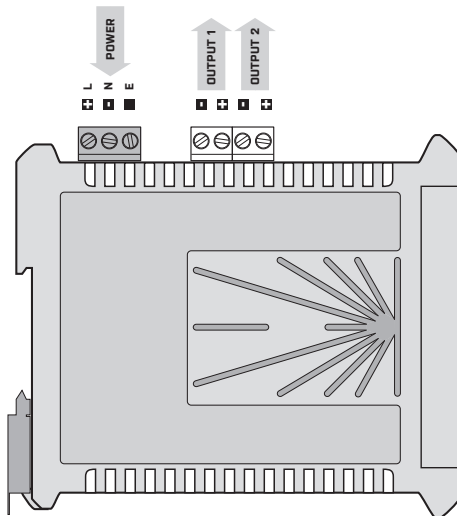
Material	PA 66, incombustible UL 94 V-1, blue
Dimensions	35 x 98 x 113 mm (w x h x d)
Installation	on DIN rail, width 35 mm

### OPERATING CONDITIONS

Connection	connector terminal blocks, section < 2.5 mm <sup>2</sup>
Stabilization period	within 5 minutes after switch-on
Working temperat.	-20°...60°C
Storage temperat.	-20°...85°C
Working humidity	< 95 % r.v., non condensing
Protection	IP20
Construction	safety class I
EL safety	EN 61010-1, A2
Dielectric strength	4 kVAC per 1 min test between supply and output
Insulation resist.*	for pollution degree II, measuring cat. II power supply, output > 300 V (PI), 150 V (DI)
EMC	EN 61326-1:2021, Industrial area
RoHS	EN IEC 63000:2018
Seismic capacity	IEC 980: 1993, par. 6

\* PI - Primary insulation, DI - Double insulation

## CONNECTION

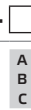


## ORDER CODE

### OMP 100

Output

2x 5 VDC  
2x 12 VDC  
2x 15 VDC



Basic configuration of the instrument is indicated in bold.