OMP 100

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STABILIZED SOURCE

● 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.

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	±0.1 V
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_{STP} < 40 A / 1 ms, isolated *Protection by fuse inside the device.*
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-I, 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 mm²
Stabilization period	within 5 minutes after switch-on
Working temperat.	-20º…60ºC
Storage temperat.	-20º…85ºC
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, Industrial area
Seismic capacity	IEC 980: 1993, par. 6

* PI - Primary insulation, DI - Double insulation

CONNECTION
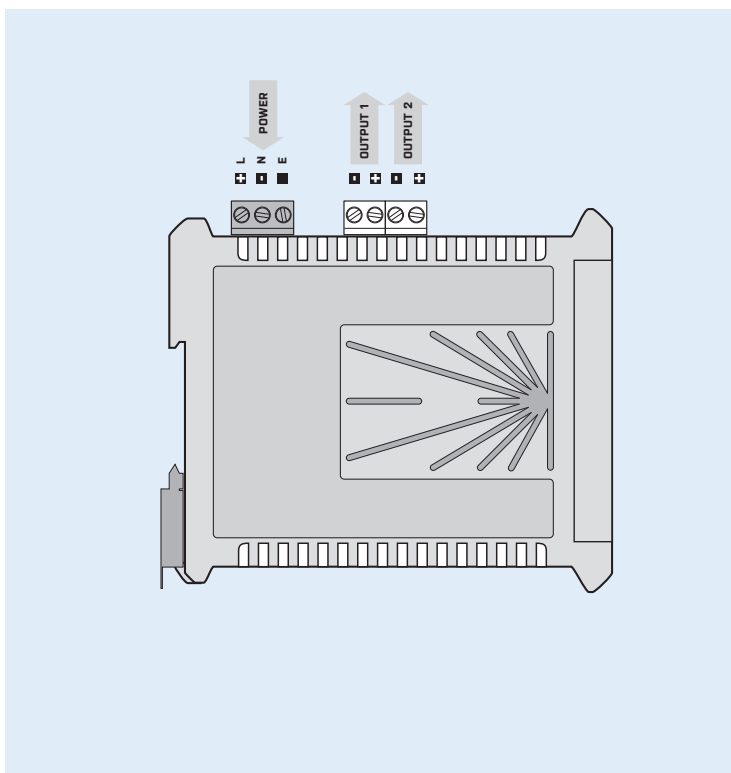
ORDER CODE

OMP 100 — ☐

Output		
	2x 5 VDC	**A**
	2x 12 VDC	**B**
	2x 15 VDC	**C**

Basic configuration of the instrument is indicated in bold.