



OMP 38



- Output 5/12/24 VDC
5/15/24 VDC
- Current and heat protection
- Power supply 80...250 V AC/DC

The OMP 38 is a DIN rail mountable stabilized source for sensor excitation. The source is in a plastic box with terminal blocks to DIN rail.

On the face of the transmitter there are LEDs, which indicate operating status of the source.

STABILIZED SOURCE

OPERATION

Switch for setting the output voltage is located on the lower edge of the instrument.

TECHNICAL DATA

OUTPUT

No. of outputs	1 The range is adjustable by a switch on the box
Range	A 5 VDC / 450 mA 12 VDC / 300 mA 24 VDC / 150 mA B 5 VDC / 450 mA 15 VDC / 240 mA 24 VDC / 150 mA
Tolerance	±0.25 V
Regulation	±0.1V
Ripple	< 50 mVpp
Outage span	< 200 ms
Efficiency	63 %
Function	active current restriction as per selected range, overstepping the restriction is signalled by red LED

POWER SUPPLY

Range	80...250 V AC/DC, ±10 %, PF ≥ 0.4, I _{in} < 40 A / 1 ms, isolated <i>Protection by fuse inside the device</i>
Consumption	< 6 W / 6 VA
Input frequency	DC, 47...63 Hz
Input current	100...45 mA
Starting current	< 20 A, < 1.5 ms

MECHANIC PROPERTIES

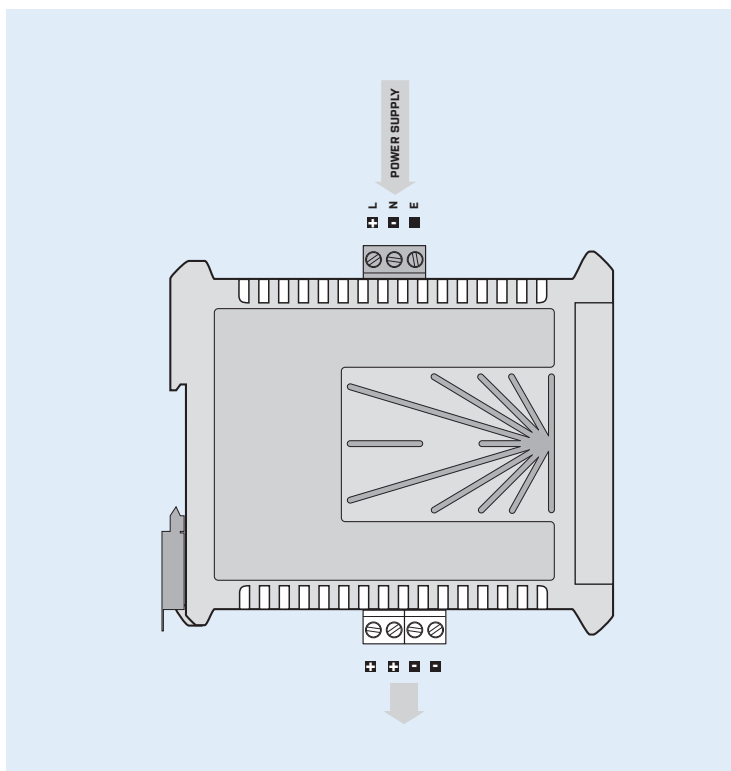
Material	PA 66, incombustible UL 94 V-1, blue
Dimensions	22 x 98 x 113 mm (w x h x d)
Installation	on DIN rail, width 35 mm

OPERATING CONDITIONS

Connection	connector terminal blocks, section < 2.5 mm ²
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, Industrial area
Seismic capacity	IEC 980: 1993, par. 6

* PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OMP 38 -

Output 5/12/24 VDC **A**
5/15/24 VDC **B**

Basic configuration of the instrument is indicated in bold.