OMP 38

OMP 38

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

- ADJUSTABLE STABILIZED SOURCE
- OUTPUT: 5/12/24 VDC
               5/15/24 VDC
- CURRENT AND HEAT PROTECTION
- POWER SUPPLY 80...250 V AC/DC

OMP 38
STABILIZED SOURCE

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

TECHNICAL DATA

OUTPUT

Output:
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
(adjustable by a switch on the box)
Tolerance: ±0,25 V
Regulation: ±0,1 V
Ripple: < 50 mVpp
Outage span: < 200 ms
Efficiency: 63 %
Functions: active current restriction as per selected range, overstepping the restriction is signalled by red LED

POWER SUPPLY

Range: 80...250 V AC/DC, 50/60 Hz, ±10 %, PF ≥ 0,4
Consumption: < 6 W/6 VA
Input frequency: DC, 47...63 Hz
Input current: 100...45 mA
Starting current: < 20 A, < 1,5 ms
Protection: by a fuse inside the instrument (T630mA)

MECHANIC PROPERTIES

Material: PA 66, incombustible UL 94 V-I, blue
Dimensions: 22 x 98 x 113 (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 temperature: -20°...60°C
Storage temperature: -20°...85°C
Protection: IP20
El. safety: EN 61010-1, A2
Dielectric strength: 4 kVAC per 1 min test between supply and output
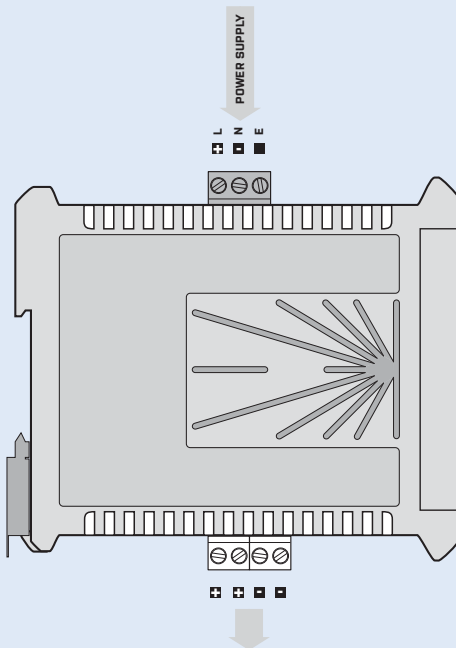Insulation resistance: for pollution degree II, measuring cat. III
instrument's power supply, output > 300 V (PI), 150 V (DI)
EMC: EN 61326-1
Seismic capacity: IEC 980: 1993, par. 6

PI - Primary insulation, DI - Double insulation

CONNECTION

POWER SUPPLY

ORDER CODE

OMP 38   - ☐

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

Basic configuration of the instrument is indicated in bold.