

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

OPERATION

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: $\pm 0,25$ V

Regulation: $\pm 0,1$ 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 %, $PF \geq 0,4$

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-1, 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 $< 2,5$ mm²

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

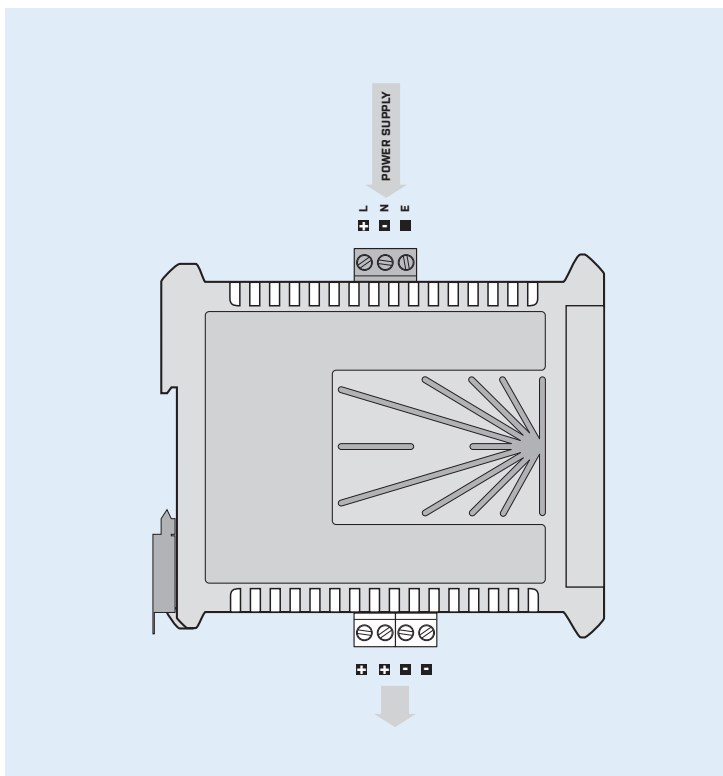
instrument's power supply, output > 300 V (PI), 150 V (DI)

EMC: EN 61326-1

Seismic capacity: IEC 980:1993, par. 6

PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OMP 38		-	<input type="checkbox"/>
Output	5/12/24 VDC	A	<input type="checkbox"/>
	5/15/24 VDC	B	<input type="checkbox"/>

Basic configuration of the instrument is indicated in bold.