



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

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.

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

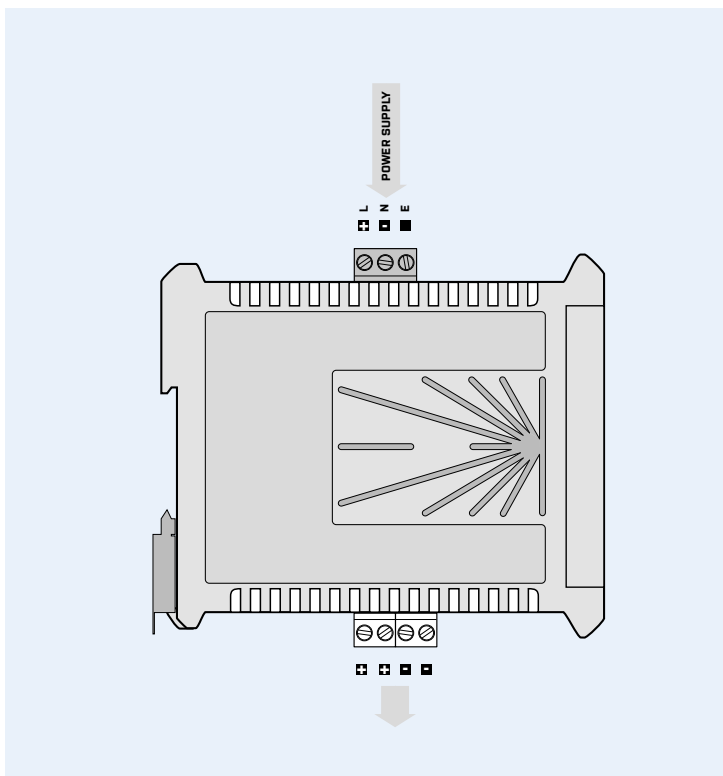
instrument's power supply, output > 300 V (PI), 150 V (DI)

EMC: EN 61326-1

Seismic capacity: IEC 980:1993, par. 6

PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OMP 38



Output

5/12/24 VDC
 5/15/24 VDC

A
B

Basic configuration of the instrument is indicated in bold.