OMP 38

- Adjustable stabilized source to DIN rail
- Output 5/12(15)/24 VDC
- Current and heat protection
- Power supply 80...250 V AC/DC

Description

The OMP 38 is a stabilized source for sensor power supply.
The source is in a plastic box with terminal board to DIN rail.
On the face of the transmitter there are LEDs, which indicate the operation status of the source.

Operation

Switch for the setting of 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 mV_{PP}
Outage span: > 200 ms
Efficiency: 63 %
Functions: active current restriction as per selected range, overstepping the restriction is signalled by red LED

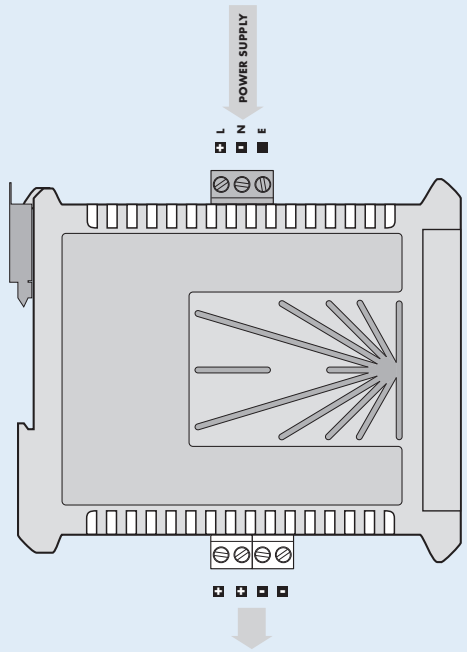
POWER SUPPLY
Range: 100...250 V AC/DC, 50/60 Hz, ±10%, 5,7 VA
Input frequency: DC, 47...63 Hz
Input current: 100...45 mA
Starting current: < 20 A, < 1,5 ms
Protection: by a fuse inside the instrument (T630mA)

MECHANIC PROPERTIES
Material: PA 66, incombustible UL 94 V-I, blue
Dimensions: 113 x 98 x 22 mm
Installation: to DIN rail 35 mm wide

OPERATING CONDITIONS
Connection: connector terminal board, section < 2,5 mm^2
Stabilization period: within 5 minutes after switch-on
Working temperature: -20°...60°C
Storage temperature: -20°...85°C
Cover: IP20
El. safety: EN 61010-1, A2
Dielectric strength: 4 kVAC after 1 min between supply and output
Insulation resistance: for pollution degree II, measuring cat. III. Power supply, output > 300 V (PI), 250 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	**A**
	5/15/24 VDC	**B**