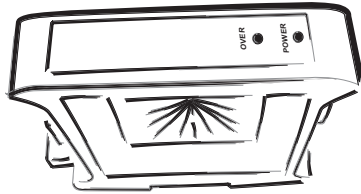


OMP 38

STABILIZED SOURCE



1. DESCRIPTION



DESCRIPTION

The OMP 38 model is a stabilized source for sensors power supply.

The source is in a plastic DIN box with terminal block for installation to rail 24,5 mm wide.

On the face of the source there are LEDs, which signal its operation status.

OPERATION

On the instrument's lower edge there is a switch for the setting of output voltage.

2. CONNECTION

SAFETY INSTRUCTIONS

Please, read the following safety instructions and observe them!

These instruments should be safeguarded by isolated or common fuses (breaker) taking into account their real consumption!

For safety information the EN 61 010-1 + A2 standard must be observed.

This instrument is not explosion-safe!

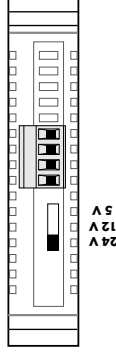
TECHNICAL DATA

The stabilized sources of the OMP 38 series conform to the European ordinance 89/336/EWG and Government ordinance 168/1997 Coll.

The instruments are applicable for unlimited use in agricultural and industrial area.

SETTING THE OUTPUT VOLTAGE

On the lower part of the sources there is a sliding switch placed for the selection of output voltage.



3. TECHNICAL DATA

OUTPUT

Output: 5 VDC/450 mA
12 VDC/300 mA
24 VDC/150 mA
(adjustable with a switch on the box)

Tolerance: $\pm 0,25$ V

Regulation: $\pm 0,1$ V

Corrugation: < 50 mVpp

Outage ride-through: > 200 ms

Efficiency: 63 %

Function: active current limitation according to the selected range, exceeding is signalled by red LED

POWER SUPPLY

Range: 100...250 V AC/DC, 50/60 Hz, $\pm 10\%$, 5,7 VA

Input frequency: DC, 47...63 Hz

Input current: 100...45 mA

Start-up current: < 20 A, $< 1,5$ ms

Protection: by a fuse inside the instrument (16-30mA)

MECHANIC PROPERTIES

Material: PA 66, incombustible UL 94 V-1, blue

Dimensions: 113 x 98 x 22 mm

Installation: to DIN rail, width 35 mm

OPERATING CONDITIONS

Connection: terminal block, conductor section $< 2,5$ mm²

Stabilization period: within 5 minutes after switch-on

Working temp.: 0°...60°C

Storage temp.: -10°...85°C

Cover: IP20

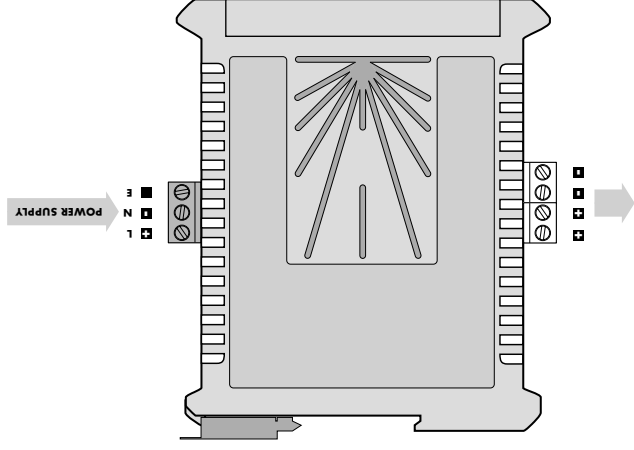
El. safety: EN 61010-1, A2

Iz. resistance: for pollution degree II, measurement category III.

instrument power supply, output > 300 V (ZI), 250 V (DI)

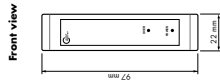
EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11;

EMC: EN 550222, A1, A2

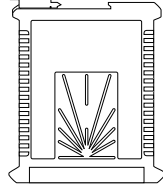


! Grounding on terminal „E“ has to be connected at all times

4. INSTRUMENT DIMENSIONS



Side view



Installation to DIN rail of 35 mm width

! Upon installation of the source we recommend to secure the air circulation along the side walls.

5. DECL. OF CONFORMITY

Company:
ORBIT MERRET, spol. s r.o.
Klánova 81/141, 142 00 Praha 4
Česká republika
IČO: 00551309

Manufacturer: ORBIT MERRET, spol. s r.o.
Vodňanská 675/30, 198 00 Praha 9
Česká republika

The manufacturer declares at its full responsibility that the product presented hereunder meets all technical requirements, is safe for use when used under the terms and conditions determined by Orbit Merret, spol. s r.o., and that our company has taken all steps to ensure conformity of all products of the type referred to below, which are being brought out to the market, with technical documentation and requirements of the appurtenant Ordinance.

Product: stabilized source
Type: OMP 38

Assessment of conformity pursuant to §12, par. 4 b, d of Act No. 22/1997 Coll.

Conformity is assessed pursuant to the following standards:

el. safety EN 61010-1

EMC: EN 50131-1, chapt. 14 and chapt. 15
EN 50130-4, chapt. 7, EN 61000-4-11
EN 50130-4, chapt. 8, EN 61000-4-11
EN 50130-4, chapt. 9, EN 61000-4-2
EN 50130-4, chapt. 10, EN 61000-4-3
EN 50130-4, chapt. 11, EN 61000-4-6
EN 50130-4, chapt. 12, EN 61000-4-4
EN 50130-4, chapt. 13, EN 61000-4-5
EN 50130-5, chapt. 20
prEN 50131-2-1, article 9.3.1
EN 61000-4-8
EN 61000-4-9
EN 61000-3-2 ed. 2:2001
EN 61000-3-3: 1997, Cor.1: 1998, Z1:2002
EN 55022, chapt. 5 and chapt. 6

and government ordinance

el. safety Nr. 168/1997 Coll.
EMC: Nr. 169/1997 Coll.

As evidence serve the protocols of authorised and accredited organisations:
VTUJE Praha, examination laboratory No. 1158, accredited by ČIA
VTUJFV Vyškov, examination laboratory No. 1103, accredited by ČIA

In Prague, 18. december 2003

Miroslav Hockl v.r.
General Manager

6. CERTIFICATE OF GUARANTEE

Product: OMP 38
Type:
Manufacturing No.:
Date of sale:

A guarantee period of 24 months from the date of sale to the user applies to this instrument.

Defects occurring during this period owing to manufacture error or due to material faults shall be eliminated free of charge.

For instrument quality, function and construction the guarantee shall apply provided that the instrument was connected and used in compliance with the instruction for use.

The guarantee shall not apply for defects caused by:

- mechanic damage
- in transport
- intervention of unqualified person incl. the user
- unavoidable event
- other unprofessional interventions

The manufacturer performs the guarantee and post-guarantee repairs unless provided for otherwise.

Stamp, signature



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