

OMX 38DU



2003-3-en

- **Linear potentiometer**
- **Output: 0/4...20 mA; 0...2 V; 5 V; 10 V**
- **To DIN rail 35 mm**
- **Power supply 230 VAC**

Options

Power supply 24 VAC, 110 VAC, 10...30 VDC

Description

Model OMX 38DU model is a transmitter for connection of linear sensor with transmission to isolated analog output.

The transmitter is in a plastic DIN box with a terminal board for mounting to rail of 35 mm width.

Transmitter power supply (230 VAC), Input and output signal have galvanic separation with isolation voltage of 300 V.

Operation

The transmitter is designed for simple measurement without further control.

Calibration

By trimmers accessible from the face of the transmitter we may adjust the range of output signal within the range of $\pm 2\%$.

Technical data

INPUT

Lin. potentiometer: 0,5...100 kOhm
Potent.pow.supply: 10 V, $\pm 0,2\%$

INSTRUMENT ACCURACY

Accuracy: $\pm 0,1\%$ of range
Rate: continuous measurement
Calibration: at 25°C and 40 % r.h.

OUTPUTS

Analog: isolated, firmly set
Tempco: 100 ppm/°C
Rate: response to change of value < 1 s
Voltage: 0...2 V; 5 V; 10 V; upon request ± 10 V (max. load 1 kOhm)
Current: 0/4...20 mA; upon request ± 20 mA (compensation of conduct up to 500 Ohm)
Corrugation: 5 mV residual corrugation at output voltage 10 V

POWER SUPPLY

24; 110; 230 VAC, 50/60 Hz, $\pm 10\%$, 3 VA
10...30 VDC/max. 150 mA, (24 VDC/80 mA), isolated
- power supply is protected by a fuse inside the instrument

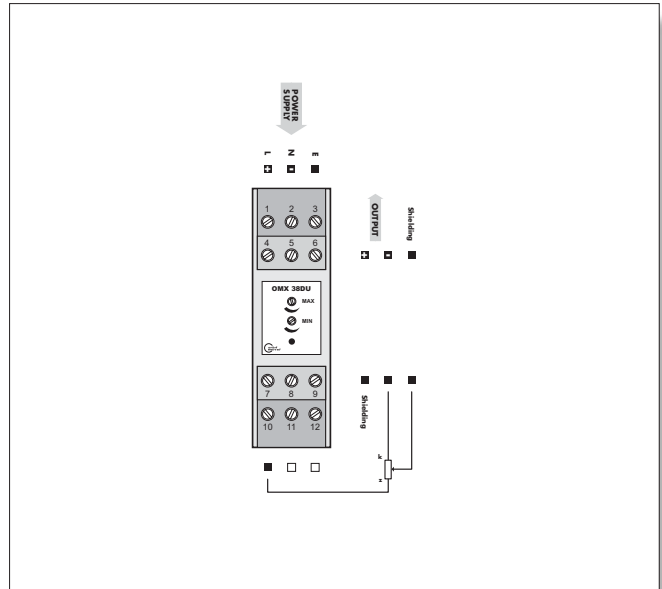
MECHANIC PROPERTIES

Material: ABS (UL 94-V0), grey
Dimensions: 110,5 x 81,5 x 24,5 mm
Installation: to DIN rail, width of 35 mm

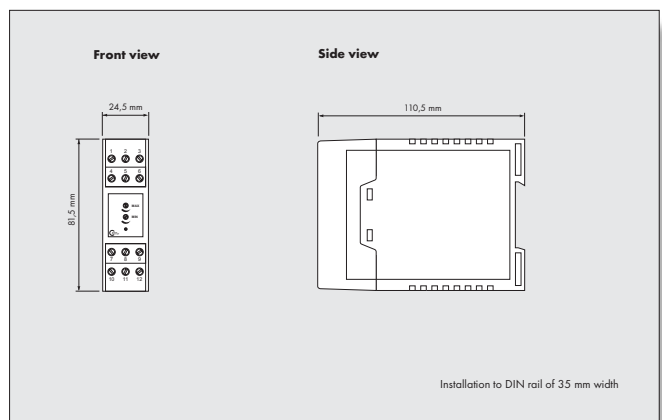
OPERATING CONDITIONS

Connection: terminal board, conductor section up to 2,5 mm²
Stabilization period: within 15 minutes after switch-on
Working temperature: 0°...60°C
Storage temperature: -10°...85°C
Covering: IP20
Construction: safety class II
Electrical safety: EN 61010-1, A2
Overvoltage category: for pollution degree II
II. - instrument power supply (300 V)
II. - in/out, output (300 V)
EMC: EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11; EN 550222, A1, A2

Connection



Dimensions



Order code

