

## OMX 38PM



2003-3-en

- **0...2; 5; 10 V**
- **0/4...20 mA**
- **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

The OMX 38PM model is a transmitter of direct-current voltage or current 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 on the face of the transmitter we may adjust the range of output signal within the range of  $\pm 2$  %.

## Technical data

MEASURING RANGE		Impedance/Max. úbytek	
0...20 mA	< 400 mV	Input 1	
4...20 mA	< 400 mV	Input 1	
0...2 V	0,5 MOhm	Input 2	
0...5 V	0,5 MOhm	Input 2	
0...10 V	0,5 MOhm	Input 2	

### INSTRUMENT ACCURACY

Accuracy:	±0,1 % of range
Rate:	continuous measurement
Overload capacity:	2x (long-term)
Calibration:	at 25°C and 40 % r.h.

### OUTPUTS

Analogue:	isolated, firmly set
Tempco:	100 ppm/°C
Rate:	response to change of value < 1 ms
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, ±10 %, 3 VA
10...30 VDC/max. 150 mA, (24 VDC/max. 80 mA), isolated
- power supply is protected by a fuse inside the instrument

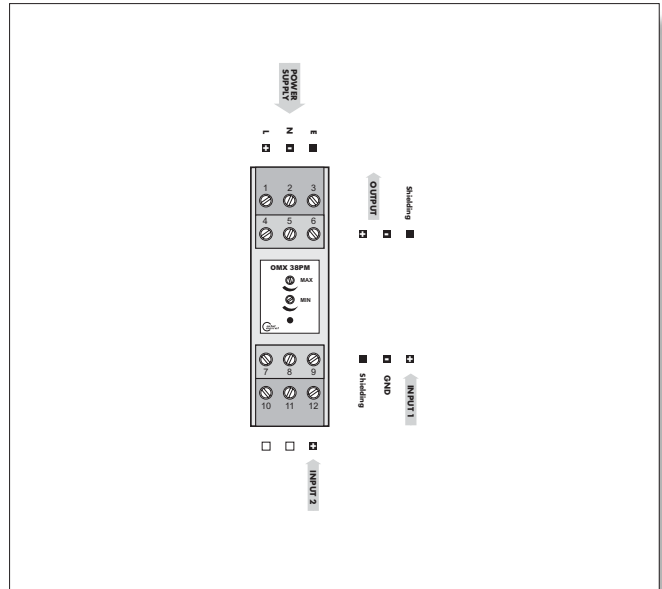
### MECHANIC PROPERTIES

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

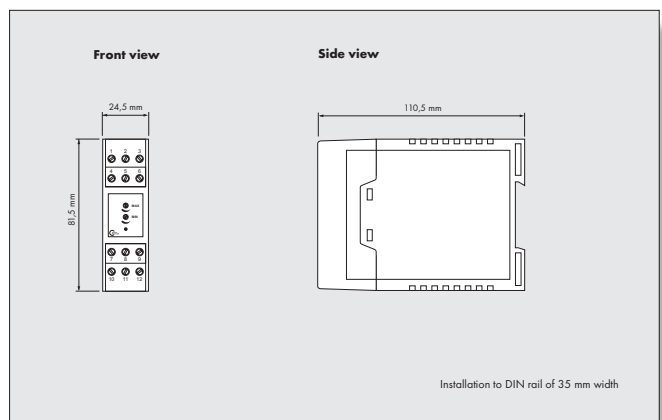
### OPERATING CONDITIONS

Connection:	terminal board, conductor section up to 2,5 mm
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. - input, output (300 V)
EMC:	EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11; EN 55022, A1, A2

## Connection



## Dimensions



## Order code

