

MT3 – Measuring transformer

The MT3 is used for galvanic separation of measured alternating electrical signal, to the conversion of its voltage level and filtration. It is mainly designed as the input element of frequency meter OS2N.

- number of inputs: 1
- galvanic separation between input and output
- range of transmitted frequencies: 5 to 80 Hz
- input: 30 to 240 V~, input impedance > 10 k Ω (at 50 Hz)
- output: 5 to 50 V~ (no load)
- attenuation factor related to 50 Hz:
 - 18,7 dB at 300 Hz
 - 28 dB at 500 Hz
 - 46 dB at 1 kHz
- working temperature range: -10 °C to +60 °C
- design: DIN rail mounting plastic box (DIN EN 50022)

Input of MT3 is protected by tube fuse 160 mA.

Connection of measured signal is provided by screw terminals; output is connected by using WAGO terminals. Maximum allowed cross-section of connected wires is 2,5 mm².

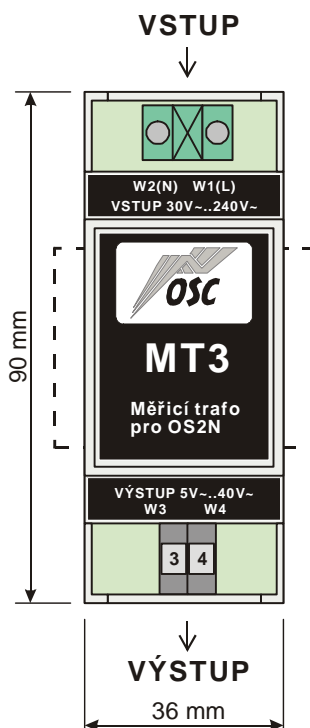


Figure 1: The MT3 view