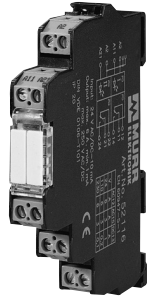


Analog converter

Inputs, outputs and input voltage galvanically isolated

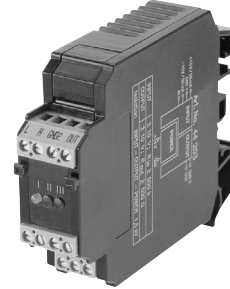
MULTIWANDLER 12.4

INPUT 0...5 V DC, 0...10 V DC, ± 10 V DC
INPUT 0...20 mA, 4...20 mA

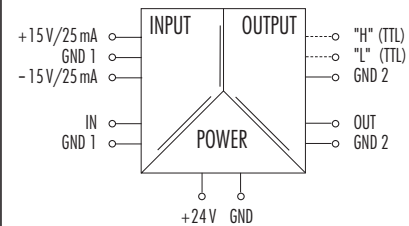
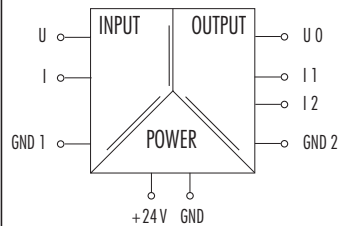


MUW

INPUT ±0...10 V DC



Circuit diagram



Ordering data

OUTPUT	Art.-No.	Art.-No.
0 ... 10 V DC/20 mA	6644207	44202
0 ... 20 mA	6644207	
4 ... 20 mA	6644207	
± 0 ... 10 V DC		44203

Technical data

Supply voltage range	24 V DC ± 15 %	24 V DC + 15 %/−10 %
Supply current	approx. 50 mA	max. 200 mA
Input resistance	approx. 100 k-Ohm for input voltage; approx. 75 Ohm for current input	
Input frequency	max. 25 Hz	5 kHz, sine wave
Output load	$R_L \leq 400 \text{ Ohm}$ for current output	
Tolerance	≤ 0.5 %	± 1 %
Test isolation voltage	0.75 kV DC between input and output	1.5 kV
Temperature range	−25...+50 °C	0...+50 °C
Mounting method	DIN-rail mounting to EN 60715	
Dimension	H x W x D	90 x 12.4 x 65 mm
		75 x 22.5 x 102 mm

Description

The Murrelektronik analog coupler converts standard signal formats (0...10 V, ± 0...20 mA, 4...20 mA) galvanically isolated into these signals. Due to an integrated current limiter on the output, the output is short circuit and overload protected.

A special characteristic of the **MULTIWANDLER** Art.-No. **6644207** includes:

Analog voltage signal 0...5 V/0...10 V and −10...+10 V as well as current signal 0...20 mA and 4...20 mA, these compactable modules can be galvanically isolated in the three normal signals, which means all combinations will be covered with the model.

The choice of the input is done by means of a 5-pole rotary switch, accessible under the identification tag.

The voltage supply is galvanically isolated from the input and output circuits (3-way isolation).

Isolation prevents interference on the input from appearing at the output. Art.-Nos. 44202 and 44203 have 2 electrically isolated ±15 V DC/25 mA supplies available. The "H" (+) and "L" (−) shown on the diagram are only on Art.-No. 44202 and give the input signals.

Notes

For screw clamp connection, the item number changes from 6644 ... in 4 ... (i.e. the prefix 66 is dropped)
Accessories in chapter 3.13