

Analogue converter modules

M..FW 12,4 Voltage/Current-Frequency

MF..W 12,4 Frequency - Voltage/Current

Inputs and outputs galvanically isolated

M..FW 12,4

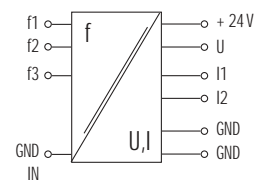
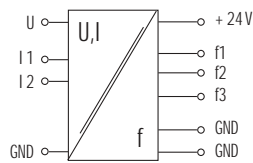
INPUT 0 ... 10 V DC
INPUT 0 ... 20 mA
INPUT 4 ... 20 mA



MF..W 12,4

INPUT 0 ... 1 kHz
INPUT 0 ... 10 kHz
INPUT 0 ... 100 kHz

Circuit diagram



Ordering data

OUTPUT	spring clamp/screw terminals	Art.-No.	Art.-No.
0 ... 1 kHz/10 kHz/100 kHz		6644245	
0 ... 10 V DC/0 ... 20 mA/4 ... 20 mA			6644275

Technical data

Supply voltage range	24 V DC \pm 20 %	24 V DC \pm 20 %
Supply current	max. 60 mA	max. 80 mA
Input voltage	0 ... 10 V DC	10 ... 30 V
Input current	0 ... 20 mA/4 ... 20 mA	80 ... 25 mA
Input resistance	U: approx. 100 k-Ohm/ I: approx. 75 Ohm	approx. 1,2 k-Ohm
Output voltage	supply voltage – 0,5 V (short circuit protected)	–
Output signal	0 ... 1 kHz/0 ... 10 kHz/0 ... 100 kHz	0 ... 10 V, 0 ... 20 mA, 4 ... 20 mA
Response time	–	max. 350 ms
Tolerance	0,5 % from end value	
Test insulation voltage	1,5 kV AC	2,5 kV AC
Temperature range	-25 ... +50 °C	
Mounting method	DIN-rail mounting to EN 50022	
Dimensions H x W x D	90 x 12,4 x 65 mm	

Description

The new interface module in narrow MIRO casing is able to be used universally. An analogue voltage or current, these are applied to three inputs, and are galvanically isolated, transformed and stay as square wave voltage (frequency) on all three outputs symmetrical to disposition. The output frequencies are through a 4-pole switch separable in relation to 1:2, 1:4 and 1:8.

The new interface module in narrow MIRO casing is able to be used universally. The frequency, that is applied on the three inputs, will be galvanically isolated, transformed and stay as an analogue signal on all three outputs symmetrical to disposition.

Notes

To order screw terminal option omit 66 from the part number.