

Frequency converter

M..FW 12.4
voltage/current-frequency
MF..W 12.4
frequency-voltage/current

Inputs and outputs
galvanically isolated

M..FW 12.4

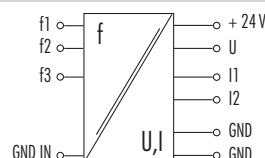
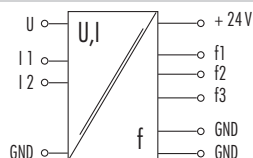
INPUT 0 ... 10 V DC
INPUT 0 ... 20 mA
INPUT 4 ... 20 mA



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.

6644245

Art.-No.

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 isolation voltage	1.5 kV AC	2.5 kV AC
Temperature range	-25 ... +50 °C	
Mounting method	DIN-rail mounting to EN 60715	
Dimension	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 analog 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 analog signal on all three outputs symmetrical to disposition.

Notes

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