

## 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

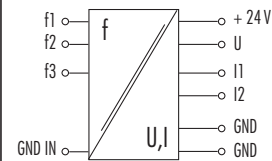
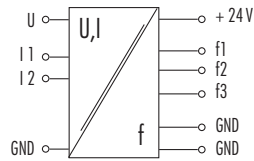
INPUT 0...10 V DC  
INPUT 0...20 mA  
INPUT 4...20 mA



### 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

0...1 kHz/10 kHz/100 kHz

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

#### Technical data

Supply voltage range 24 V DC  $\pm$  20 %

Supply current max. 60 mA

Input voltage 0...10 V DC

Input current 0...20 mA/4...20 mA

Input resistance U: approx. 100 k-Ohm/ I: approx. 75 Ohm

Output voltage supply voltage - 0.5 V (short-circuit protected)

Output signal 0...1 kHz/0...10 kHz/0...100 kHz

Response time -

Tolerance 0.5 % from end value

Test isolation voltage 1.5 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

spring clamp/screw terminals

24 V DC  $\pm$  20 %

max. 80 mA

10...30 V

80...25 mA

approx. 1.2 k-Ohm

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0...10 V, 0...20 mA, 4...20 mA

max. 350 ms

2.5 kV AC

#### 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)