

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



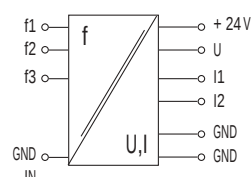
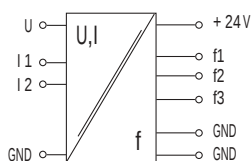
MF.W 12,4

INPUT 0 ... 1 kHz

INPUT 0 ... 10 kHz

INPUT 0 ... 100 kHz

Circuit diagram



Ordering data

Art.-No.

Art.-No.

OUTPUT spring clamp / screw terminals

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 %

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 insulation voltage 1,5 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

24 V DC $\pm$ 20 %

max. 80 mA

10 ... 30 V

80 ... 25 mA

approx. 1,2 k-Ohm

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 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.