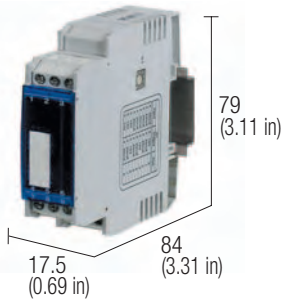


Frequency to analog signal converters

- Adjustable frequency range 0...28.8 KHz
- 3 programmable analog signal output ranges
- 3 ways I/O 2.5 KV isolation

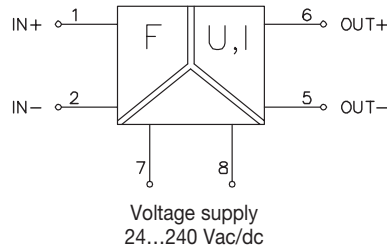


NOTES

The dimensions include the terminal blocks and the DIN clamp.

- (1) range 16.8...30 Vdc / 19.2...28.8 Vac
 (2) 3-way isolation: IN/OUT

BLOCK DIAGRAM



VERSIONS

Cat. No. X756524
CWNFA 6-0524

INPUT TECHNICAL DATA

Input signal (range)
 Input signal (type)
 Input resistance
 Hysteresis

0...28.8 KHz adjustable via DIP switch
 AC/DC 0.6...30 Vpp
 50 KΩ
 0.5 Vpp or 5 Vpp adjustable via DIP switch

OUTPUT TECHNICAL DATA

Output signal
 Applicable load
 Ripple

0...10 V, (max. 10.6 V)
 0...20 / 4...20 mA, (max 21 mA)
 >1 KΩ with output voltage
 <400 Ω with output current
 < 5 mVeff

GENERAL TECHNICAL DATA

Supply voltage
 Rated current
 Accuracy
 Linearity error
 Ripple
 Setting time (accuracy 1%)
 Temperature coefficient
 Isolation
 ECM standards
 Reference Standard
 Overvoltage category
 Pollution degree
 Protection degree
 Operating temperature range
 Connection terminal
 Housing material
 Peso approssimativo
 Mounting information

24 Vac/dc (1)
 20 mA
 0.1 FS (23°C)
 0.02%
 0.1%
 200 ms
 70 ppm/K
 1.5 kVac / 60 s (2)
 EN 61000-6-2, EN 61000-6-4
 IED 664-1, DIN VDE
 III
 2
 IP 20 IEC 529 EN60529
 -25...+60°C
 1.5 mm² fixed screw type
 PPE
 70 g (2.47 oz)
 vertical on rail adjacent without gap

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5
 Mounting rail type according to IEC60715/G32
 Plug-in jumper

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
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 —
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APPLICATIONS

This module is used to convert a frequency signal, with either sinusoidal or square waveform, into a standard analog signal (eg. 0...10 V, 0...20 mA, 4...20 mA). A microprocessor provides a high resolution, high stability and accuracy output signal and a dip switch gives the possibility to select a calibrated range of frequency measurement from 0 ... 100 Hz up to 0...28.8 kHz.