**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

**VERSIONS**
- Cat. No. X756524
- CWNFA 6-0524

**INPUT TECHNICAL DATA**
- Input signal (range) 0...28.8 KHz adjustable via DIP switch
- Input signal (type) AC/DC 0.6…30 Vpp
- Input resistance 50 KΩ
- Hysteresis 0.5 Vpp or 5 Vpp adjustable via DIP switch

**OUTPUT TECHNICAL DATA**
- Output signal 0…10 V, (max. 10.6 V)
- 0…20 / 4…20 mA, (max 21 mA)
- Applicable load >1 KΩ with output voltage
- <400 Ω with output current
- < 5 mVeff

**GENERAL TECHNICAL DATA**
- Supply voltage 24 Vac/dc
- Rated current 20 mA
- Accuracy 0.1 FS (23°C)
- Linearity error 0.02%
- Ripple 0.1%
- Setting time (accuracy 1%) 200 ms
- Temperature coefficient 70 ppm/K
- Isolation 1.5 KVac / 60 s
- ECM standards EN 61000-6-2, EN 61000-6-4
- Reference Standard IED 664-1, DIN VDE
- Overvoltage category II
- Pollution degree 2
- Protection degree IP 20 IEC 529 EN600529
- Operating temperature range -25...+60°C
- Connection terminal 1.5 mm² fixed screw type
- Housing material PPE
- Peso approssimativo 70 g (2.47 oz)
- Mounting information vertical on rail adjacent without gap

**MOUNTING ACCESSORIES**
- Mounting rail type according to EG60715/THS5-7.5
- Mounting rail type according to EG60715/632
- Plug-in jumper red
  - white
  - blue

**APPLICATIONS**
This module is used to convert a frequency signal, with either sinusoidal or square waveform, into a standard analog signal (e.g. 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.