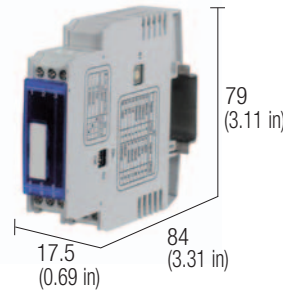


Programmable analogue signal converters

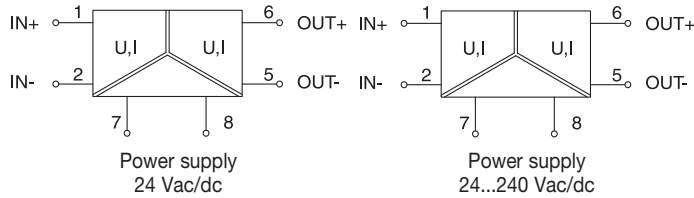
- 3 ways galvanic isolation
- 14 programmable input range
- 3 programmable output range
- Simple programming
- Available version with 24-240 Vac/dc supply voltage



NOTES

The dimensions includes the DIN clamp.
 (1) Adjustable via rotary-switch
 (2) Adjustable via dip-switch
 (3) range 16.8...30 Vdc / 19.2...28.8 Vac
 (4) range 16.8...264 Vdc / 19.2...264 Vac
 (5) 3-way isolation: IN/OUT/power supply

BLOCK DIAGRAM



VERSIONS

24 Vac/dc supply voltage
24-240 Vac/dc supply voltage

Cat. No. X756516

Cat. No. X756517

CWUAA 6-0516

CWUAA 6-0517

INPUT TECHNICAL DATA

Input signal (1)
 Input resistance

0...60 / 0...100 / 0...300 / 0...500 mV
 0...1 / 0...10 / 0...20 / 2...20 V
 0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA
 330 kΩ with input voltage
 100 Ω with input current

0...60 / 0...100 / 0...300 / 0...500 mV
 0...1 / 0...10 / 0...20 / 2...20 V
 0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA
 330 kΩ with input voltage
 100 Ω with input current

OUTPUT TECHNICAL DATA

Output signal (2)
 Applicable load

0...10 V
 0...20 / 4...20 mA
 >1 kΩ with output voltage
 <400 Ω with output current

0...10 V
 0...20 / 4...20 mA
 >1 kΩ with output voltage
 <400 Ω with output current

GENERAL TECHNICAL DATA

Supply voltage
 Rated current
 Accuracy
 Transmission frequency
 Temperature coefficient
 Isolation
 ECM standards
 Reference Standard
 Overvoltage category/Pollution degree
 Protection degree
 Operating temperature range
 Connection terminal
 Housing material
 Approx. weight
 Mounting information

24 Vac/dc (3)
 ≤ 35 mA ± 10% @ 24 Vdc
 0.1% @ 23°C FS
 < 30 Hz
 0.02% / K FS
 1.5 kVac / 60 s (5)
 EN 50081-2, EN 50082-2
 IEC 664-1, DIN VDE
 III / 2
 IP 20 IEC 529, EN60529
 -25...+60°C
 2.5 mm² fixed screw type
 Noryl UL94V-0
 65 g (2.29 oz)
 vertical on rail adjacent without gap

24-240 Vac/dc (4)
 ≤ 35 mA ± 10% @ 24 Vdc
 0.1% @ 23°C FS
 < 30 Hz
 0.02% / K FS
 4 kVac / 60 s (5)
 EN 50081-2, EN 50082-2
 IEC 664-1, DIN VDE
 III / 2
 IP 20 IEC 529, EN60529
 -25...+60°C
 2.5 mm² fixed screw type
 Noryl UL94V-0
 75 g (2.65 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 red
 (16 poles, 16 A) white
 blue

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

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APPLICATIONS

Multifunction converters can be used to convert and isolate the most common standard analogue signals; the input of the modules can be set up into 14 signal ranges and the output can be set up to 3 most important analogue ranges. The set up is possible by simply switching the position of a dip switch on the side of the module. The many different input / output combinations offered by multifunctions modules allows to reduce inventory for both new and replacement products and provides many signal conversion solutions. The "3 ways" galvanic isolation assures total isolation between input, output and supply input; this feature, and the "self calibrating signal circuitry", gives excellent accuracy without any manual adjustment. If a single signal must provide several output channels it is possible to use many modules connecting their inputs in parallel as long as the signal is voltage, or in series when signal is current.