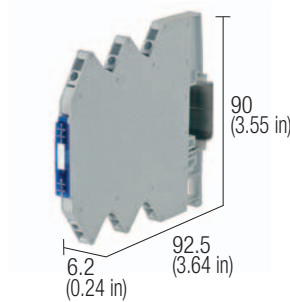


Analogue signal converters

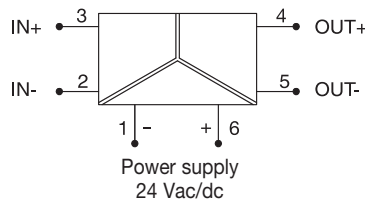
- 1.5 kV, 3 ways, IN/OUT/supply voltage isolation
- Fixed value
- Compact dimension, 6.2 mm pitch



NOTES

The dimensions includes the DIN clamp.
 (1) range 16.8...30 Vdc / 19.2...28.8 Vac
 (2) 3-way isolation: IN/OUT/power supply

BLOCK DIAGRAM



VERSIONS

IN: 0...20 mA / OUT: 0...10 V
IN: 0...20 mA / OUT: 0...20 mA
IN: 0...20 mA / OUT: 4...20 mA

Cat. No. X756533 Cat. No. X756534 Cat. No. X756535

CWAA 7-0533

CWAA 7-0534

CWAA 7-0535

INPUT TECHNICAL DATA

Input signal
 Input resistance

0...20 mA	0...20 mA	0...20 mA
100 Ω	100 Ω	100 Ω

OUTPUT TECHNICAL DATA

Output signal
 Applicable load

0...10 V	0...20 mA	4...20 mA
>1 kΩ	<400 Ω	<400 Ω

GENERAL TECHNICAL DATA

Supply voltage

24 Vac/dc (1) **24 Vac/dc** (1) **24 Vac/dc** (1)

Rated current

≤ 13 mA ± 10% ≤ 13 mA ± 10% ≤ 13 mA ± 10%

Accuracy

0.1% @ 23°C FS 0.1% @ 23°C FS 0.1% @ 23°C FS

Transmission frequency

< 30 Hz < 30 Hz < 30 Hz

Temperature coefficient

0.02% / K FS 0.02% / K FS 0.02% / K FS

Isolation

1.5 kVac / 60 s (2) 1.5 kVac / 60 s (2) 1.5 kVac / 60 s (2)

ECM standards

EN 61000-6-2, EN 61000-6-4 EN 61000-6-2, EN 61000-6-4 EN 61000-6-2, EN 61000-6-4

Reference Standard

IEC 664-1, DIN VDE IEC 664-1, DIN VDE IEC 664-1, DIN VDE

Overvoltage category/Pollution degree

III / 2 III / 2 III / 2

Protection degree

IP 20 IEC 529, EN60529 IP 20 IEC 529, EN60529 IP 20 IEC 529, EN60529

Operating temperature range

-25...+60°C -25...+60°C -25...+60°C

Connection terminal

2.5 mm² fixed screw type 2.5 mm² fixed screw type 2.5 mm² fixed screw type

Housing material

PPE PPE PPE

Approx. weight

40 g (1.41 oz) 40 g (1.41 oz) 40 g (1.41 oz)

Mounting information

vertical on rail adjacent without gap vertical on rail adjacent without gap 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
 (16 poles, 16 A)

red
 white
 blue

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

—
 CWBK 7-0802 Cat. No. X766802
 CWBK 7-0803 Cat. No. X766803
 CWBK 7-0804 Cat. No. X766804

APPLICATIONS

These converters can be used to convert and isolate the most common standard analogue signals; each model is designed for a single input output signal function, and they are the right solution in applications where many modules handling the same signal are used, where they allow a large cost reduction compared with multi function modules. These modules are provided with 3 ways galvanic isolation between input output and supply voltage. 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 the signal is current.