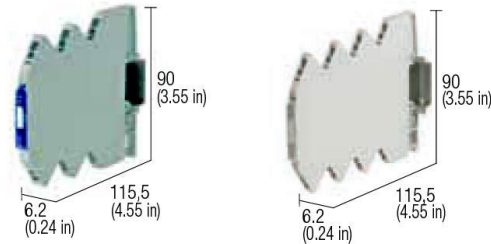


## Пассивная гальваническая развязка серии СWРАА



## Passive galvanic isolators

- Do not require power supply
- Suitable for loop powered sensors
- 2 Ways I/O 500 V isolation
- Single and double channel version
- Compact dimension, 6,2 mm pitch



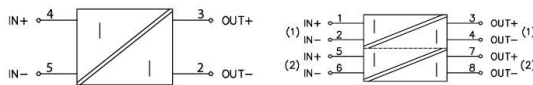
### NOTES

The dimensions includes the DIN clamp.

(1) Input voltage must have a value higher than the value calculated with this formula, where Rb is load resistance (see pic.1); for calculation refer to the diagram comparing minimum input voltage with output load and wires resistance values; refer to the diagram (see pic. 2) to define if application conditions allow to get full 20 mA output signal

(2) 2-way isolation: IN/OUT

### BLOCK DIAGRAM



### VERSIONS

Single channel  
Double channel

Cat. No. X756526

CWPAA 7-0526

Cat. No. X756527

CWPAA 7-0527

### INPUT TECHNICAL DATA

Input signal

1 channel 0...20 mA, 4...20 mA

2 channels 0...20 mA, 4...20 mA

Input current

—

—

Input voltage (1)

$2.7 + (20 \text{ mA} \times R_b)$

$2.7 + (20 \text{ mA} \times R_b)$

Input resistance

100  $\Omega$

100  $\Omega$

### OUTPUT TECHNICAL DATA

Output signal

1 channel 0...20 / 4...20 mA, (max 21 mA)

2 channels 0...20 / 4...20 mA, (max 21 mA)

Applicable load

<400  $\Omega$  with output current

<400  $\Omega$  with output current

### GENERAL TECHNICAL DATA

Supply voltage

—

—

Rated current

12 mA

12 mA

Accuracy

0.1 FS (23°C)

0.1 FS (23°C)

Rise time (10...90%)

10 ms

10 ms

Transmission frequency

30 Hz @ 3 dB

30 Hz @ 3 dB

Temperature coefficient

0.02% FS

0.02% FS

Isolation

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

Reference Standard

IED 664-1, DIN VDE

IED 664-1, DIN VDE

Overvoltage category/Pollution degree

III / 2

III / 2

Protection degree

IP 20 IEC 529 EN60529

IP 20 IEC 529 EN60529

Operating temperature range

-25...+60°C

-25...+60°C

Connection terminal

1.5 mm<sup>2</sup> fixed screw type

1.5 mm<sup>2</sup> fixed screw type

Housing material

Luranyl

Luranyl

Approx. weight

35 g (1.24 oz)

35 g (1.24 oz)

Mounting information

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

figure 1

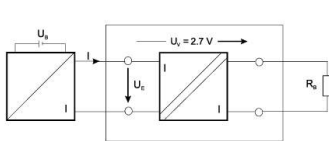


figure 2

