

DC/DC Signal Conditioners

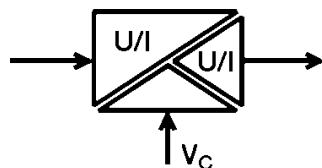
WAVEANALOG DC/DC 20 kHz

- 3-way-isolation
- Transmission frequency 20 kHz
- Analog signal conditioning
- Cross-connectable voltage supply via cross-connectors

Approvals:

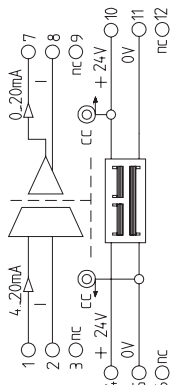


Block diagram



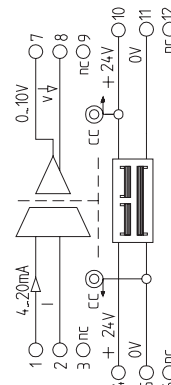
CCC HF

4...20 mA/0...20 mA



CVC HF

4...20 mA/0...10 V



Ordering data

Screw connection
Tension clamp connection
Input/output

Technical data*

Input signal
Input current max
Input resistance
Output signal
Load resistance
Accuracy at $T_u=23^\circ\text{C}$
Temperature coefficient
Response time
Cut-off frequency (-3 dB)

Type

WAS5 CCC HF
WAZ5 CCC HF
4...20 mA/0...20 mA

Part No.

8447250000
8447260000

Type

WAS5 CVC HF
WAZ5 CVC HF
4...20 mA/0...10 V

Part No.

8447280000
8447290000

General

Voltage supply
Power consumption
Current carrying capacity of cross-connection
Operating temperature
Storage temperature
Dimensions W/L/H mm (in.)
Approvals

24 VDC $\pm 25\%$ (18...30 VDC)
< 1.5 W at $I_{out} = 20\text{ mA}$
 $\leq 2\text{ A}$
 $0^\circ\text{C} \dots +55^\circ\text{C}$
 $-20^\circ\text{C} \dots +85^\circ\text{C}$
17.5/92.4/112.5 (.69/3.64/4.43)
CE, UL, CSA

24 VDC $\pm 25\%$ (18...30 VDC)
< 1.3 W at $I_{out} = 5\text{ mA}$
 $\leq 2\text{ A}$
 $0^\circ\text{C} \dots +55^\circ\text{C}$
 $-20^\circ\text{C} \dots +85^\circ\text{C}$
17.5/92.4/112.5 (.69/3.64/4.43)
CE, UL, CSA

Coordination of insulation according to EN 50178, 04/98

Rated voltage
Rated surge voltage
Overvoltage category
Contamination class
Clearance and creepage distance mm (in.)
Coupling capacity
Input/output to supply
Isolation voltage, voltage strength
Input/output to mounting rail

300 V
4 kV
III
2
 ≥ 3 (.12)
1 nF
4 kV_{eff}/1 min

300 V
4 kV
III
2
 ≥ 3 (.12)
1 nF
4 kV_{eff}/1 min

Standards/specifications

EMC standards

EN 50178
EN 50081, EN 50082,
EN 55011

EN 50178
EN 50081, EN 50082
EN 55011

Dimensions and accessories see

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* $T_u = 23^\circ\text{C}$ single module