

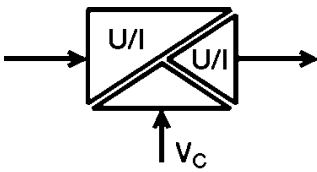
## WAVEANALOG DC/DC

- 3-way-isolation
- Analog signal conditioning
- Indication LED
- Cross-connectable voltage supply via cross-connectors

### Approvals:

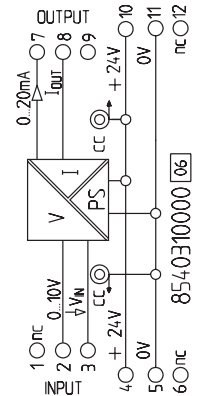


#### Block diagram



### VCC

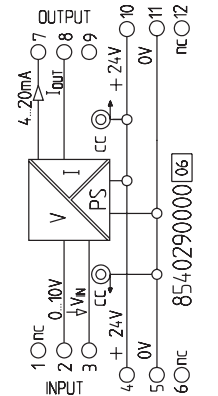
0...10 V/0...20 mA



Type	Part No.
WAS5 VCC	8540310000
WAZ5 VCC	8540320000
0...10 V/0...20 mA	

### VCC

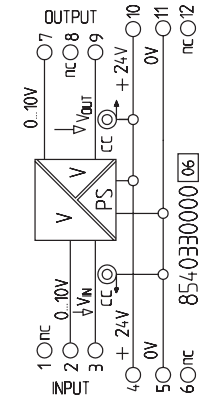
0...10 V/4...20 mA



Type	Part No.
WAS5 VCC	8540290000
WAZ5 VCC	8540300000
0...10 V/4...20 mA	

### VCC

0...10 V/0...10 V



Type	Part No.
WAS5 VCC	8540330000
WAZ5 VCC	8540340000
0...10 V/0...10 V	

Ordering data
Screw connection
Tension clamp connection
Input/output

Technical data*
<b>Input signal</b>
Input voltage max.
Input resistance
<b>Output signal</b>
Load resistance
Accuracy at Tu=23°C
Temperature coefficient
Response time
Cut-off frequency (-3 dB)

General
Voltage supply
Power consumption
Current carrying capacity of cross-connection
Operating temperature
Storage temperature
Dimensions W/L/H
Approvals

Coordination of insulation according to EN 50178, 04/98
Rated voltage
Rated surge voltage
Overvoltage category
Contamination class
Clearance and creepage distance
Coupling capacity
Input/output to supply
Isolation voltage, voltage strength
Input/output to mounting rail
Standards/specifications
EMC standards
Dimensions and accessories see

0...10 V
15 V
typ. 100 kΩ
0...20 mA
≤ 600 Ω
0.2%
± 250 ppm/K
≤ 45 ms
10 Hz

24 VDC ±25%
(18 VDC...24 VDC...30 VDC)
< 1.5 W at I <sub>out</sub> = 20 mA
≤ 2 A
0°C...+55°C
when mounted horizontally
-20°C...+85°C
17.5/92.4/112.5 (69/3.64/4.43)
CE, UL

300 V
4 kV
III
2
≥ 3 (.12)
1 nF
4 kV <sub>eff</sub> /1 min
EN 50178
EN 50081, EN 50082, EN 55011
Page 356 + 366

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typ. 100 kΩ
4...20 mA
≤ 600 Ω
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± 250 ppm/K
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(18 VDC...24 VDC...30 VDC)
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EN 50178
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Page 356 + 366

0...10 V
15 V
typ. 100 kΩ
0...10 V
≥ 1 kΩ
0.2%
± 250 ppm/K
≤ 45 ms
10 Hz

24 VDC ±25%
(18 VDC...24 VDC...30 VDC)
< 1.3 W at I <sub>out</sub> = 5 mA
≤ 2 A
0°C...+55°C
when mounted horizontally
-20°C...+85°C
17.5/92.4/112.5 (69/3.64/4.43)
CE, UL

300 V
4 kV
III
2
≥ 3 (.12)
1 nF
4 kV <sub>eff</sub> /1 min
EN 50178
EN 50081, EN 50082, EN 55011
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*T <sub>U</sub> = 23°C single module