

Current Monitoring

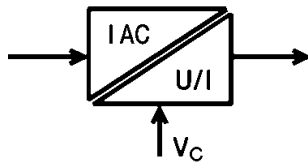
WAVECONTROL

- Input and output range adjustable via DIP switch
- No calibration required
- Cross-connectable voltage supply via cross-connectors

Approvals:



Block diagram



Ordering data

Screw connection
Tension clamp connection

Technical data*

Input

Input current
Input frequency
Accuracy
Measuring principle
Connection type
Measurement circuit voltage
Max. measuring circuit

Output

Current/voltage selectable

Output voltage

Offset voltage

Load resistance

Output signal limit

Output current

Offset current

Load resistance

Status LED

Temperature coefficient

Response time (10...90%)

Coordination of insulation acc. to DIN EN 50178, 04/98

(safe separation)

Rated voltage

Surge voltage

Overtoltage category

Contamination class

Clearance and creepage distance mm (in.)

Test voltage

General

Supply

Supply voltage

Power consumption at rated voltage

Reverse polarity protection

Operating temperature range

Storage/transport

Factory setting

Dimensions W/L/H mm (in.)

Weight

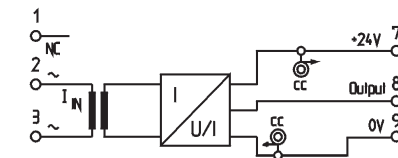
Approvals

Dimensions and accessories see

* T_U = 23°C single module

WAS1 CMA WAZ1 CMA

1/5/10A ac
selectable with
analog output
0...20 mA/
4...20 mA
0...10 V



Type

WAS1 CMA 1/5/10A ac
WAZ1 CMA 1/5/10A ac

Part No.

8523400000
8523410000

1 A ac/5 A ac/10 A ac selectable (without additional adjustment)
50 Hz/60 Hz

0.5% FSR

transformer coupled

Screw or tension clamp connection

250 VAC

100 A for 1s

0...10 V

0...20 mA

4...20 mA

0...10 V

max. 0.05 V

≥ 1 K Ω

approx. 13 V and 24 mA

0/4...20 mA

max. 100 μA

≤ 600 Ω

green LED

ON → OK; blinks → signal out of range; OFF → Error

≤ 200 ppm/K

typ. 700 ms

300V

6KV

III

2

≥ 5.5 (.27)

4 kV_{eff}

21.6 VDC...24 VDC...26.4 VDC

40 mA at I_{out} = 20 mA

yes

0°C...+50°C

-20°C...+70°C

0...5A ac; 4...20mA

22.5/72/92.4 (.89/2.83/3.64)

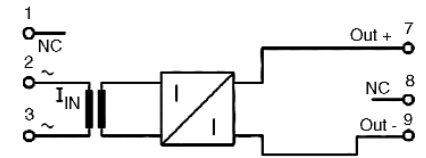
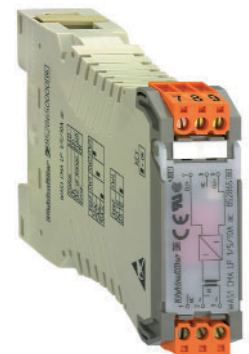
150 g

CE, UL

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WAS1 LP CMA WAZ1 LP CMA

1/5/10 A ac
selectable with
analog output
4...20 mA
loop powered



Type

WAS1 LP CMA 1/5/10A ac
WAZ1 LP CMA 1/5/10A ac

Part No.

8528650000
8528660000

1A ac/5A ac/10A ac selectable (without additional adjustment)
50 Hz/60 Hz

0.5% FSR

transformer coupled

Screw or tension clamp connection

250 VAC

100 A for 1s

4...20 mA current loop supply

approx. 24 mA

4...20 mA

max. 100 μA

≤ 550 Ω (at 24 V) RL = (V_{cc} - 13V)/20 mA

Dependent on voltage V_{cc}

green LED

ON → OK; blinks → signal out of range; OFF → Error

≤ 200 ppm/K

typ. 700 ms

300V

6KV

III

2

≥ 5.5 (.27)

4 kV_{eff}

13 VDC...30 VDC

yes

0°C...+50°C

-20°C...+70°C

0...5A ac; 4...20mA

72/92.4/22.5

150 g

CE, UL

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