

# Current monitoring

## Analogue output

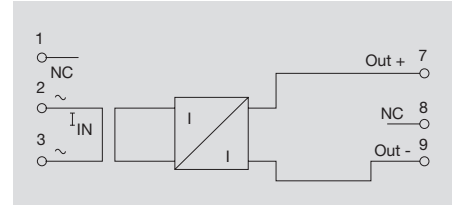
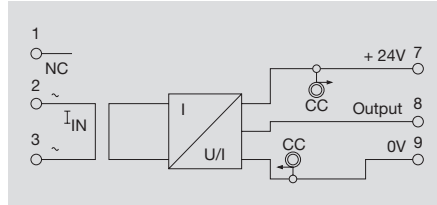
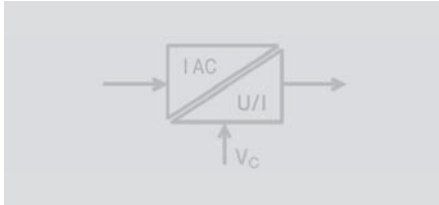
- Input and output adjustable via DIP-switch
- Calibration not necessary

## 1/5/10A ac



## 1/5/10A ac 4...20mA

### Current loop



## Technical data

Input	1/5/10A ac	1/5/10A ac 4...20mA
Input current	0...1 Aac/ 0...5 Aac/ 0...10 Aac	0...1 Aac/ 0...5 Aac/ 0...10 Aac
Input frequency	50...60 Hz	50...60 Hz
Max. current	100 A for 1s	100 A for 1s
Voltage of measuring circuit	250 Vac	250 Vac
Sensor	Transforming (internally)	Transforming (internally)
Diameter of bushing		
Output		
Output current/Output voltage	0(4)...20 mA/0...10 V	4...20 mA (current loop)/
Offset current	max. 100 µA	max. 100 µA
Output signal limit	approx. 13 V resp. 24 mA	approx. 24 mA
Load resistance voltage/Current	>= 1 kΩ / < = 600 Ω	/ < = 600 Ω
Step response time	typ. 700 ms	typ. 700 ms
Accuracy	0.5% FSR	0.5% FSR
Temperature coefficient	<= 200 ppm/K	<= 200 ppm/K
Status indicator	LED ON: OK; FLASHING: signal out of range; OFF: Error	LED ON: OK; FLASHING: signal out of range; OFF: Error
General data		
Supply voltage	24 Vdc +/- 10%	13...30 Vdc
Current consumption	40 mA at I <sub>out</sub> =20 mA	
Current-carrying cap. of cross-connect.	<= 2 A	
Operation temperature/Storage temperature	0 °C...+50 °C/-20 °C...+70 °C	0 °C...+50 °C/-20 °C...+70 °C
Default settings	0...5Aac, 4...20mA	0...5Aac, 4...20mA
Approvals	CE / ESD / cURus	CE / ESD / cURus
Insulation coordinates		
Rated voltage	300 V	300 V
Impulse withstand voltage	6 kV	6 kV
Pollution severity	2	2
Overvoltage category	III	III
Clearance & creepage path	>= 5.5 mm	>= 5.5 mm
Isolation voltage Input, output	4 kVeff / 5s	4 kVeff / 5s

Dimensions	Screw connection		Tension clamp c.	
Clamping range (rating- / min. / max.)	2.50 / 0.50 / 2.50	2.50 / 0.50 / 2.50	2.50 / 0.50 / 2.50	2.50 / 0.50 / 2.50
Length x width x height	72.0 x 22.5 x 92.4	72.0 x 22.5 x 92.4	72.0 x 22.5 x 92.4	72.0 x 22.5 x 92.4
Information	Tu=23°C, single module		Tu=23°C, single module	

## Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection Tension clamp c.	WAS1 CMA 1/5/10A ac	1	852340000
	WAZ1 CMA 1/5/10A ac	1	852341000
Screw connection Tension clamp c.	WAS1 CMA LP 1/5/10A ac	1	852865000
	WAZ1 CMA LP 1/5/10A ac	1	852866000

## Accessories

Information
Voltage supply 24V and 0V with ZQV 2.5N/2 cross-connection

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2