

WAVESERIES
WAZ1 CMA LP 1/5/10A ac

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Output-current loop-powered AC current monitoring components.

The input side, that is selectable in three zones, can be used to measure single-phase AC currents up to 10 A. The input and output circuits are designed in isolation with 4-kV. The monitoring components come in a 17.5-mm-wide WAVEBOX housing. They are supplied via the 4 – 20 mA output-side current loop and, thus, can be specially used in applications of process automation.

General ordering data

Order No.	8528660000
Type	WAZ1 CMA LP 1/5/10A ac
Version	WAVESERIES, Current monitoring, 0...1 A AC/ 0...5 A AC/ 0...10 A AC, 1, 1, Tension clamp connection
EAN	4032248160433
Qty.	1 pc(s).

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Technical data

Dimensions

Length	72 mm	Width	22.5 mm
Height	92.4 mm	Weight	150 g

Temperatures

Operating temperature	0 °C...+50 °C	Storage temperature	-20 °C...+70 °C
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Probability of failure

MTTF	564 Jahre
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Input

Input current	0...1 A AC/ 0...5 A AC/ 0...10 A AC	Input frequency	50...60 Hz
Max. current	100 A for 1s	Number of inputs	1
Sensor	Transforming (internally)	Voltage of measuring circuit	250 V AC

Output

Accuracy	0.5 % FSR	Number of outputs	1
Offset current	max. 100 µA	Output current	Current loop
Output signal limit	Approx. 24 mA	Status indicator	LED ON: OK; FLASHING: signal out of range; LED OFF: Error
Step response time	typ. 700 ms	Temperature coefficient	≤ 200 ppm/K
load impedance current	≤ 600 Ω		

General data

Default setting	0...5 A AC, 4...20 mA	Galvanic isolation	2-way isolator
Mounting rail	TS 35	Supply voltage	13...30 V DC
Type of connection	Tension clamp connection		

Insulation coordination

Clearance & creepage distances	≥ 5.5 mm	EMC standards	EN 55011 EN 61000-6
Impulse withstand voltage	6 kV	Insulation voltage	4 kV _{eff} / 5 s
Overvoltage category	III	Pollution severity	2
Rated voltage	300 V	Rated voltage	300 V
Standards	EN 50178 (secure separation)		

Classifications

ETIM 2.0	EC001440	ETIM 3.0	EC001440
ETIM 4.0	EC002048	UNSPSC	30-21-18-01
eClass 4.1	27-21-09-02	eClass 5.1	27-21-09-02
eClass 6.0	27-21-09-02		

Approvals

Approvals	CE; CULUS; GOSTME25
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Datasheet

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Drawings

Electric symbol

