

WAVESERIES WAZ2 CMR 20/40/60A ac

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WAS/WAZ2 CMR: AC current monitoring components with digital outputs and external power supply. The WAS/WAZ2 CMR 1/5/10 A ac is capable of detecting single-phase 50/60 Hz currents up to 10 A using the transformer-based Root Mean Square (RMS) method. The input can be selected in the ranges 1/5/10A using DIP switches.

The WAS/WAZ2 CMR 20/40/60 A ac is capable of monitoring single-phase AC currents up to 60 A. DIP switches are used to select one of three ranges for input sensitivity.

The True RMS hall sensor technique is used to measure the current. The wire is not connected but is instead routed directly through the device. This measurement method is not sensitive to continuous surge currents, current peaks or high start-up currents. AC currents with frequencies up to 1 kHz up can be monitored. On the output side, there is a digital switching output with an adjustable switching threshold and a *hysteresis* (5/10% selectable). The input and output circuits are designed in isolation with 4-kV.

The 22.5 mm-wide current monitoring components are available with either screw or tension-clamp for the wire connection. The 24 VDC supply voltage can be cross-connected using ZQV 2,5N jumpers.

General ordering data

Type	WAZ2 CMR 20/40/60A ac
Order No.	8526600000
Version	WAVESERIES, Current monitoring, 0...20 A AC/ 0...40 A AC/ 0...60 A AC, 1, 1, Tension clamp connection
GTIN (EAN)	4032248154326
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Length	92.4 mm	Width	22.5 mm
Depth	112.4 mm	Weight	143 g
Net weight	143 g		

Temperatures

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

MTTF	533 Years
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Input

Number of inputs	1	Sensor	Hall sensor (internal)
Voltage of measuring circuit	400 VAC, > 400 VAC depending on wire insulation	Max. current	Depends on wire cross-section
Max. voltage	400 V AC, > 400 V AC depends on conductor insulation	Input current	0...20 A AC/ 0...40 A AC/ 0...60 A AC
Input frequency	50...60 Hz	Diameter of cable feed-through	8 mm

Output

Continuous current	3 A	Function	Open-circuit/closed-circuit principle
Hysteresis	5 % or 10 % of threshold value	Max. switching voltage, AC	250 V
Max. switching voltage, DC	60 V	Number of outputs	1
Status indicator	Green LED	Step response time	typ. 700 ms
Switching current	7 A	Switching thresholds	Adjustable 10...100% with front potentiometer
Switching voltage AC, min.	6 V	Switching voltage DC, min.	6 V
Temperature coefficient	≤ 250 ppm/K		

General data

Current consumption	23 mA (relay not triggered)/ 47 mA (relay triggered)	Default setting	0...40 A / 10 % hysteresis / open-circuit principle
Galvanic isolation	3-way isolator	Mounting rail	TS 35
Supply voltage	24 V DC ± 10 %	Type of connection	Tension clamp connection

Insulation coordination

Clearance & creepage distances	≥ 3 mm	EMC standards	EN 55011, EN 61000-6
Impulse withstand voltage	4 kV	Insulation voltage	4 kV _{eff} / 5 s
Pollution severity	2	Rated voltage	300 V
Rated voltage	300 V	Standards	DIN EN 50178
Surge voltage category	III		

Datenblatt

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Classifications

ETIM 3.0	EC001440	UNSPSC	30-21-18-01
eClass 5.1	27-21-09-02	eClass 6.2	27-21-09-02
eClass 7.1	27-21-09-02		

Product information

Descriptive text accessories Cross-connector for power supplies and markers – refer to Accessories

Approvals

Approvals



ROHS Conform

Downloads

Package insert	instruction sheet.pdf
Declaration of Conformity	Declaration of Conformity.pdf
EPLAN	8526600000.ema
3D Modell	

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