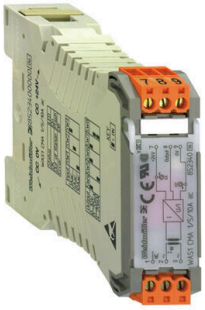
Data sheet

WAS1 CMA 1/5/10A AC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product is no longer available, Data sheet for information only





Output current loop fed AC current monitoring components WAS/WAZ1 CMA LP.
They can measure single-phase 50/60 Hz AC currents of up to 10 A using the Root Mean Square (RMS) method on the input side. They can also be switched between three ranges. No external power supply is used; the supply is only via the 4...20 mA current loop on the output side.
The input and output circuits are securely isolated with 4 kV.
The monitoring components come in a 17.5-mm-wide WAVEBOX housing. These devices can be used in many process automation applications because they are not dependent on an external power supply.
International approvals (such as ATEX Zone 2 and UL C1D2) also permit usage in explosion-risk zones.

General ordering data

Version	Current monitoring, Input current: 0...1 A AC/ 0...5 A AC/ 0...10 A AC, Output : 0-20 mA, 0-10 V
Order No.	8523400000
Type	WAS1 CMA 1/5/10A AC
GTIN (EAN)	4032248151691
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2022-12-31T00:00:00+01:00
Alternative product	ACT20P-CML-10-AO-RC-S

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Dimensions and weights

Depth	92.4 mm	Depth (inches)	3.6378 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Length	72 mm	Length (inches)	2.8346 inch
Net weight	76.9 g		

Temperatures

Storage temperature	-20 °C...70 °C	Operating temperature	0 °C...70 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	533 a

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	b25f3b7c-b874-4a4e-a8b2-4f423a7e2a65

Input

Number inputs	1	Input frequency	50...60Hz
Input current	0...1 A AC/ 0...5 A AC/ 0...10 A AC		

Output

Number of outputs	1	load impedance voltage	≥ 1 kΩ
Load impedance current	≤ 600 Ω	Offset voltage	max. 0.05 V
Offset current	max. 100 µA	Output voltage, note	0...10 V
Output current	0(4)...20 mA	Output signal limit	Approx. 13 V or 24 mA

Output (digital)

Rated switching current	0.1 A	Max. switching voltage, AC	0 V

General data

Accuracy	0.5 % FSR	Protection degree	IP20
Status indicator	LED ON: OK; LED flashing: signal out of range; LED OFF: Error	Supply voltage	24 V DC ± 10 %

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Step response time	typ. 700 ms	Current consumption	40 mA @ IOUT = 20 mA
Mounting rail	TS 35	Temperature coefficient	≤ 200 ppm/K
Nominal power consumption	1.5 VA	Configuration	DIP switch

Insulation coordination

Impulse withstand voltage	6 kV	EMC standards	EN 55011, EN 61000-6
Surge voltage category	III	Pollution severity	2
Galvanic isolation	2-way isolator	Insulation voltage	4 kVeff / 5 s
Rated voltage	300 V		

Connection data

Wire connection method	Screw connection	Type of connection	Screw connection
Clamping range, rated connection	2.5 mm²	Clamping range, min.	0.5 mm²
Clamping range, max.	2.5 mm²		

Important note

Product information	This product will soon be replaced by a new product. Please do not use with new systems. Please contact our technical support.

Classifications

ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

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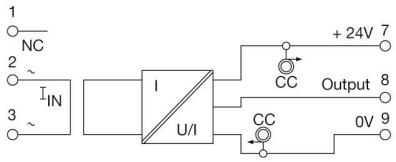
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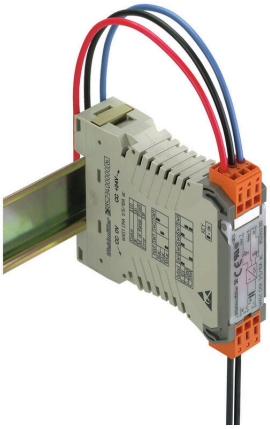
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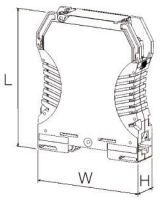
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Drawings

Electric symbol







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