

WAVESERIES WAS1 CMA LP 1/5/10A EX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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

Type	WAS1 CMA LP 1/5/10A EX
Order No.	8975590000
Version	WAVESERIES, Current monitoring, 0...1 A AC/ 0...5 A AC/ 0...10 A AC, 1, 1, Screw connection
GTIN (EAN)	4050118023640
Qty.	1 pc(s).

WAVESERIES
WAS1 CMA LP 1/5/10A EX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

Length	72 mm	Length (inches)	2.835 inch
Width	22.5 mm	Width (inches)	0.886 inch
Depth	112.4 mm	Depth (inches)	4.425 inch
Weight	150 g	Net weight	101 g

Temperatures

Operating temperature, max.	50 °C	Operating temperature, min.	0 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-20 °C
Operating temperature	0 °C...50 °C	Storage temperature	-20 °C...70 °C

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Input

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

Output

Number of outputs	1	Output signal limit	Approx. 24 mA
Output current	4...20 mA (current loop)	load impedance current	≤ 600 Ω
Offset current	max. 100 μA	Status indicator	LED ON: OK; LED flashing: signal out of range; LED OFF: Error

General data

Accuracy	0.5 % FSR	Configuration	DIP switch
Galvanic isolation	2-way isolator	Input/Output	1 /5/ 10 A AC / 4...20 mA (current loop)
Rail	TS 35	Step response time	typ. 700 ms
Temperature coefficient	≤ 200 ppm/K	Voltage supply	13...30 V DC, via output current loop

Insulation coordination

Clearance & creepage distances	≥ 5.5 mm	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	2-way isolator	Impulse withstand voltage	6 kV
Insulation voltage	4 kV _{eff} / 5 s	Pollution severity	2
Rated voltage	300 V	Surge voltage category	III

Connection data

Type of connection	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Classifications

ETIM 6.0	EC002653	eClass 6.2	27-21-01-07
eClass 7.1	27-21-01-07	eClass 8.1	27-21-01-07
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-20

Creation date May 28, 2019 12:38:11 AM CEST

Data sheet**WAVESERIES
WAS1 CMA LP 1/5/10A EX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data**Product information**

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

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 4.1 ELECTR 16/17 EN
User Documentation	Instruction sheet

Data sheet

**WAVESERIES
WAS1 CMA LP 1/5/10A EX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Electric symbol

