

WAVESERIES WAS5 CCC 2OLP EX

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The ACT20M-CI-CO-OLP, WAS/WAZ5 OLP signal isolator/splitter (2-wire system) is supplied via the output current loop and has an analogue DC current input. The 1- and 2-channel signal isolators are supplied from the current loop. They are available in the 6.1 mm (ACT20M series) or 17.5 mm (WAVESERIES) housings. The input and output circuits are electrically isolated from each other. The power is supplied via the 4–20 mA current loop on the output side. The devices come optionally in a splitter version with two loop-fed outputs. The devices can be mounted on a DIN rail and consume minimal power. International approvals (such as ATEX Zone 2, UL C1D2 and FM Div2) permit use in explosion-risk zones. Signal converters with output-loop power supplies are used in a variety of application processes as signal isolators and signal multipliers (splitters) and signal amplifiers. They can be used to eliminate measurement errors caused by differences in earth potentials.

General ordering data

Order No.	8975640000
Type	WAS5 CCC 2OLP EX
Version	Signal converter/disconnector, Screw connection
GTIN (EAN)	4032248808250
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	92.4 mm	Width	17.5 mm
Depth	112.4 mm	Net weight	88.1 g

Temperatures

Operating temperature	0 °C...+55 °C	Storage temperature	-20 °C...+85 °C
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Input

Supply voltage	min. 12 V DC/ max. 30 V DC	Input current	4...20 mA (current loop)
Number of inputs	1	Voltage drop	3.8 V

Output

Cut-off frequency (-3 dB)	30 Hz	Number of outputs	2
load impedance current	$R_L = (U_B - 12 \text{ V}) / 20 \text{ mA}$ z.B. 600 Ω at 24 V	Status indicator	Green LED
Output signal limit	Approx. 31 mA	Output current	2 x 4...20 mA (current loop)

General data

Accuracy	typ. 0.1 %; max. 0.2 %	Galvanic isolation	Passive isolator
Input/Output	4...20 mA/ 2 x 4...20 mA	Mounting rail	TS 35
Step response time	< 20 ms	Supply voltage	min. 12 V DC/ max. 30 V DC
Temperature coefficient	$\leq 150 \text{ ppm/K}$	Type of connection	Screw connection

Insulation coordination

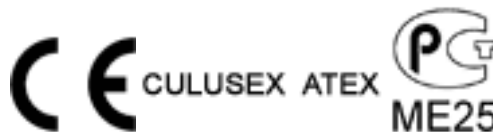
Clearance & creepage distances	$\geq 5.5 \text{ mm}$	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	Passive isolator	Impulse withstand voltage	4 kV
Insulation voltage	4 kV _{eff} / 5 s	Insulation voltage input or output/rail	4 kV _{eff} / 1 min.
Insulation voltage input or output/supply	4 kV _{eff} / 5 s	Pollution severity	2
Rated voltage	300 V	Standards	DIN EN 60079, DIN EN 61000-4-2
Surge voltage category	III		

Classifications

eClass 6.2	27-21-01-07	eClass 7.1	27-21-01-07
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Approvals

Approvals


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Package insert	instruction sheet.pdf
Declaration of Conformity	Declaration of Conformity.pdf

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Data sheet...

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Drawings

