

WAVESERIES WAS5 CCC 2OLP

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 Germany
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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

Delivery status	This article will no longer be available in the future.
Available until	2019-08-31
Type	WAS5 CCC 2OLP
Order No.	8581160000
Version	Signal converter/insulator, Screw connection
GTIN (EAN)	4032248234462
Qty.	1 pc(s).
Alternative product	7760054122

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Technical data**Dimensions and weights**

Length	92.4 mm	Length (inches)	3.638 inch
Width	17.5 mm	Width (inches)	0.689 inch
Depth	112.4 mm	Depth (inches)	4.425 inch
Net weight	87.5 g		

Temperatures

Operating temperature, max.	55 °C	Operating temperature, min.	0 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-20 °C
Operating temperature	0 °C...55 °C	Storage temperature	-20 °C...85 °C

Probability of failure

MTTF	228 Jahre
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Input current	4...20 mA (current loop)
Voltage drop	3.8 V		

Output

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

General data

Accuracy	typ. 0.1 %; max 0.2 %	Configuration	none
Galvanic isolation	Passive isolator	Input/Output	4...20 mA/ 2 x 4...20 mA
Rail	TS 35	Step response time	< 20 ms
Temperature coefficient	$\leq 150 \text{ ppm/K}$	Voltage supply	min. 12 V DC/ max. 30 V DC

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	Surge voltage category	III

Connection data

Type of connection	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping range, rated connection	2.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²		

Creation date May 1, 2020 7:17:34 AM CEST

Data sheet

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Technical data

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-20
eClass 10.0	27-21-01-20		

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

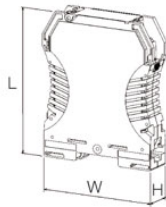
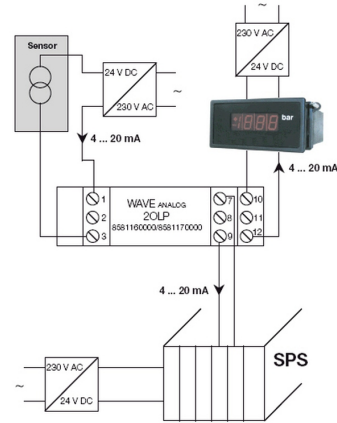
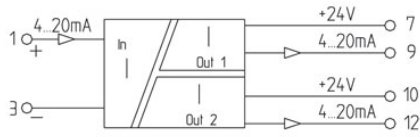
Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 4.1 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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Drawings

Connection diagram



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Accessories

ZQV 2.5N



Spring connection with tension clamp Technology
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

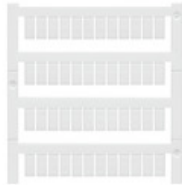
Type	ZQV 2.5N/2 RT	Version
Order No.	1717900000	Accessories, Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190349288	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 BL	Version
Order No.	1717990000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 SW	Version
Order No.	1718080000	Accessories, Cross-connector, 24 A
GTIN (EAN)	4008190349301	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	Z-series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	

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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/5 MC NE WS	Version	
Order No.	1635000000		WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948		Allen-Bradley, white
Qty.	720 pc(s).		