

WAZ5 OLP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

Product is no longer
available, Data sheet for
information only

**General ordering data**

Version	Signal converter/insulator, Input : I / U, Output : 4-20 mA, (loop powered)
Order No.	8543730000
Type	WAZ5 OLP
GTIN (EAN)	4032248180769
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2019-08-31
Alternative product	7760054354

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.425 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	111 g	Width	17.5 mm
Width (inches)	0.689 inch		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55 °C
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Probability of failure

MTTF	366 Jahre
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input current	0...20 mA, 4...20mA	Input resistance, current	51 Ω
Input resistance, voltage	0...5 V: 210 kΩ; 0...10 V: 430 kΩ	Input voltage	0...(5)10 V
Number of inputs	1		

Output

Cut-off frequency (-3 dB)	10 Hz/ 100 Hz switchable	Load impedance current	$R_L = (U_B - 12 \text{ V}) / 20 \pm 20 \text{ mA}$, e.g. 600 Ω at 24 V
Number of outputs	1	Output current	4...20 mA (current loop)
Output signal limit	Approx. 31 mA	Status indicator	Green LED

General data

Accuracy	0.2% of measuring range final value	Configuration	DIP switch
Galvanic isolation	Passive isolator	Input/Output	0(4)...20 mA, 0...(5)10 V / 4...20 mA (current loop)
Rail	TS 35	Step response time	< 10 Hz: 80 ms; 100 Hz: 50 ms
Temperature coefficient	≤ 150 ppm/K	Type of connection	Tension-clamp connection
Voltage supply	min. 12 V DC/ max. 30 V DC, Loop powered, via 4...20 mA input		

Insulation coordination

Clearance & creepage distances	≥ 5.5 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.
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

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Connection data

Type of connection	Tension-clamp connection	Stripping length, rated connection	7 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²		

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	ECLASS 11.0	27-21-01-20

Tender specification sheets

Long specification

**Standard signal
isolating amplifier,
output-current loop fed**

1-channel isolating amplifier in 17.5 mm width, output-current loop fed, for transmitting and isolating analogue DC-current signals from 4...20 mA and voltage signals from 0...(5)10 V. Add-on housing for TS35 DIN rail installation
Dimensions: L/W/H 92.4/17.5/ 112.4 mm
Tension-clamp connection / nominal cross-section 1.5 mm² Protection degree: IP 20 Input 0(4)...20 mA 0...5 V / 0...10 V Output 4...20 mA Load resistance / R = (UB-12 V) / 20 mA z.b 600 Ohm at 20 mA Transmission error Auxiliary power 4...20 mA output current loop Ambient temperature range 0°C...+55 °C

Isolation EN 50178, 2-way isolation up to 4 kV AC/DC
Test voltage 4 kV
Rated voltage 300 V AC/DC at overvoltage category III and pollution degree 2
Approvals cULus

Type **WAZ5 CCC OLP**

Short specification

**Standard signal
isolating amplifier,
output-current loop fed
1-channel isolating
amplifier in 17.5 mm
width, output-current
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current signals from 4
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V.**

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www.weidmueller.com**Technical data****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.

Approvals

Approvals



ROHS

Conform

UL File Number Search

E141197

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Conformity[Declaration of Conformity](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[Instruction sheet](#)

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Drawings

Connection diagram

