

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 Stück
Delivery status	This article will no longer be available in the future.
Available until	2022-03-30
Alternative product	7760054354

Erstellungs-Datum May 26, 2023 3:44:26 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

Dimensions and weights

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

Temperatures

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

Probability of failure

MTTF	366 Jahre
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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		

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	Voltage supply	min. 12 V DC/ max. 30 V DC, Loop powered, via 4... 20 mA input

Insulation coordination

Clearance and 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		

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		

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Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	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	ECLASS 12.0	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 mm²Protection degree: IP 20 Input0(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 loopAmbienttemperature 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 loop fed, for transmitting and isolating analogue DC-current signals from 4 to 20 mA and voltage signals from 0 to (5)10 V.

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	94561991-a963-4084-a5f3-dfa3a5c2a27e

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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	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, EPLAN
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Zeichnungen

Connection diagram

