

WAZ4 PRO DC/DC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration****Product is no longer available****General ordering data**

Version	Signal converter/insulator, Tension-clamp connection
Order No.	8560750000
Type	WAZ4 PRO DC/DC
GTIN (EAN)	4032248207367
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2018-01-31
Alternative product	1481960000

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Catalogue status 24.05.2025 / 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
Width	12.5 mm	Width (inches)	0.492 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	162.8 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-10 °C...70 °C
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Probability of failure

MTTF	76 a
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Input

Input current	configurable, $\pm 0.1 \text{ mA} \dots \pm 100 \text{ mA}$	Input resistance, current	< 5 mA: approx. 100 Ω ; >5 mA: approx. 5 Ω
Input resistance, voltage	approx. 1 M Ω	Input voltage	configurable, $\pm 20 \text{ mV} \dots \pm 200 \text{ V}$
Number of inputs	1		

Output

Cut-off frequency (-3 dB)	> 10 kHz / < 10 Hz	Load impedance current	$\leq 600 \Omega$
Number of outputs	1	Offset current	20 μA
Offset voltage	10 mV	Output current	0... $\pm 20 \text{ mA}$
Output voltage, note	0... $\pm 10 \text{ V}$	load impedance voltage	$\geq 1 \text{ k}\Omega$

General data

Accuracy	< 0.1 % of end value, + Offset 0.1 %	Configuration	DIP switch and potentiometer, with reference voltage/current sources
Galvanic isolation	3-way isolator	Power consumption	ca. 1 W
Protection degree	IP20	Rail	TS 35
Step response time	120 μs at limiting-frequency setting > 10 kHz, 75 ms at limiting-frequency setting < 10 Hz	Temperature coefficient	$\leq 60 \text{ ppm/K}$ of final value
Voltage supply	22...230 V AC/DC +10 %		

Insulation coordination

EMC standards	DIN EN 61326, EN 61000-2-6, EN 61709 (SN 29500) MTBF	Galvanic isolation	3-way isolator
Impulse withstand voltage	5 kV, 1.2/50 μs (IEC 255-4)	Insulation voltage	4 kV _{eff}
Insulation voltage input or output/rail	4 kV _{eff}	Insulation voltage input or output/supply	4 kV _{eff}
Pollution severity	2	Rated voltage	600 V
Surge voltage category	III		

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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
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	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
ECLASS 13.0	27-21-01-20	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

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Technical data

Tender specification sheets

Long specification

Add-on housing for
TS35 rail mounting
Dimensions: L/W/H
92.4/ 12.5/ 112.4 mm
Tension-clamp connec-
tion/ Nominal cross-
section 1.5 mm²
Protection degree: IP
20
Input +/-
20mV.../- 200 V, +/- 0,1
mA.../- 100 mA
Out-
put
0 ... +/- 10 V, 0... +/- 20
mA
Selection
range
calibrated selection
with DIP switches/ 440
ranges
Front-side calibration
with zero/span poten-
tiometer
Transmission er-
ror < 0,2% v. E.
Limit frequency 10 Hz /
10 kHz adjustable
Auxiliary pow-
er
22...230 V AC/DC +/-
10%
Power loss approx. 1 W
Ambient
temperature range -10
°C...+70 °C

Secure isola-
tion EN 50178,
3-way isolation up to 4
kV AC/DC of all circuits
against each other
Test volt-
age 4
kV, 50 Hz input against
output against auxiliary
power
Rated voltage 5 kV,
1.2/50 us
Working volt-
age 600 V
AC/DC at overvoltage
category III and pollu-
tion degree 2
Approvals cULus, GL

Type
WAZ4 PRO DC/DC

Short specification

Standard signal iso-
lating converter, Ze-
ro/span compensation,
calibrated selection 1-
channel signal isolating
converter: with 12.5 mm
width and external power
supply for transmitting and
isolating analogue DC cur-
rent (± 0.1 to ± 100 mA)
and voltage signals.

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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	94561991-a963-4084-a5f3-dfa3a5c2a27e

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_322323/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319225/-T1z1mm-S800/
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ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E346097

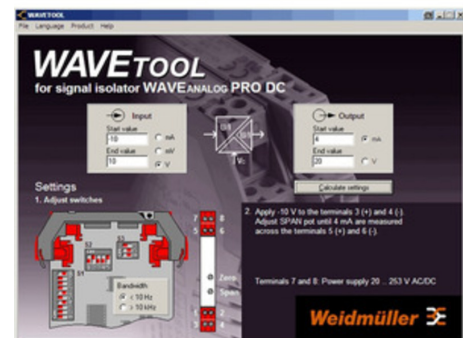
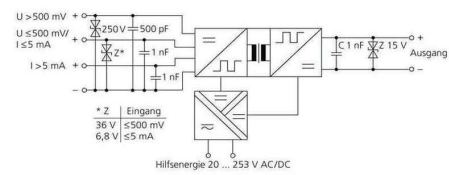
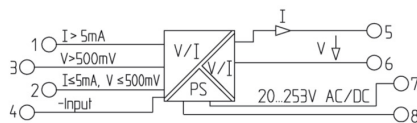
Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
Software	Software – WaveTool.zip
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings
Electric symbol


Screenshot example, Wave tool software