

WAS4 PRO DC/DC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product is no longer available, Data sheet for information only

**General ordering data**

Version	Signal converter/insulator, Screw connection
Order No.	8560740000
Type	WAS4 PRO DC/DC
GTIN (EAN)	4032248207350
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-03-30
Alternative product	1481970000

Creation date May 28, 2025 8:29:00 AM CEST

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	132.2 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	0 °C...70 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None	MTBF	76 a
MTTF	76 a		

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	Nominal power consumption	1.5 VA
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 61000-6 /-2, 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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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		

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

Short specification

**Add-on housing for
TS35 rail mounting**
Dimensions: L/W/H
92.4/ 12.5/ 112.4 mm
**Screw connection/
Nominal cross-section**
2.5 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
zero/span potentiome-
ter
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 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
WAS4 PRO DC/DC

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.

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	b25f3b7c-b874-4a4e-a8b2-4f423a7e2a65

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Technical data**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/
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

Data sheet

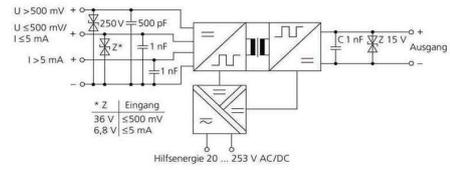
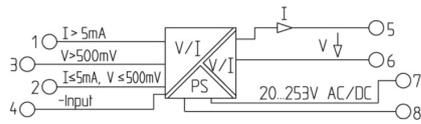
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Drawings

Electric symbol



Screenshot example, Wave tool software

