

**RS U-D8 0...10V****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Product is no longer available,  
Data sheet for information only



RS U-D8 A/D converters digitize analogue voltage signals and have 8-bit accuracy.

All modules are equipped with a hold function, so that the momentary output value is maintained even during a change to the input value.

You can find additional information describing the input/output characteristics of the A/D converter on our web site at [http://www.weidmueller.com/54104/Downloads/Print-Media/ManualsOperating-instructions/cw\\_index.aspx](http://www.weidmueller.com/54104/Downloads/Print-Media/ManualsOperating-instructions/cw_index.aspx).

aspx

**General ordering data**

Version	AD converter, Input : 0-10 V, Output : 8-bit pulse
Order No.	<a href="#">1160361001</a>
Type	RS U-D8 0...10V
GTIN (EAN)	4032248103836
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2022-12-31

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## Technical data

## Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	72 mm	Height (inches)	2.835 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	72 g		

## Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	0 °C...50 °C
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## Input

Input resistance, voltage	≥ 400 kΩ	Input voltage	0...10 V
Number of inputs	1	Supply voltage (input)	24 V DC

## Output

Conversion time	≤ 4 μs	Cut-off frequency (-3 dB)	5 kHz at full scale (sinus)
Number of outputs	8-bit (1-bit signed)	Output current	≤ 25mA (as source)
Output level	17 V = H, 0 V = L		

## General data

Accuracy	± 1 LSB	Current consumption	35 mA (plus output current)
Galvanic isolation	Without isolation	Protection degree	IP00
Rail	TS 35, TS 32	Voltage supply	24 V DC

## Insulation coordination

EMC standards	EN 61000-6	Galvanic isolation	Without isolation
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## Connection data

Type of connection	Screw connection	Clamping range, rated connection	4 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	4 mm <sup>2</sup>

## Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-90
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		

## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	57ae7c19-5502-4105-af85-169aba88caca

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of Conformity

[Application notes – Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Device description – IS RS 8BIT ADC DAC](#)

Catalogues

[Catalogues in PDF-format](#)

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# Drawings

## Electric symbol

