

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

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



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.

aspx

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2021-12-31
Type	RS U-D8 0...10V
Order No.	1160361001
Version	AD converter, Input : 0-10 V, Output : 8-bit pulse
GTIN (EAN)	4032248103836
Qty.	1 pc(s).

Creation date May 16, 2020 8:52:17 AM CEST

Catalogue status 01.05.2020 / We reserve the right to make technical changes.

Data sheet

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Technical data

Dimensions and weights

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

Temperatures

Operating temperature, max.	50 °C	Operating temperature, min.	0 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	0 °C...50 °C	Storage temperature	-40 °C...80 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

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

Output

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

General data

Accuracy	± 1 LSB	Current consumption	35 mA (plus output current)
Galvanic isolation	Without isolation	Input/Output	Analogue / 8 bit
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 ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-90
eClass 10.0	27-21-01-20	UNSPSC	30-21-18-01

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Technical data**Approvals**

Approvals



ROHS

Conform

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Conformity[Declaration of Conformity](#)

Engineering Data

[EPLAN, WSCAD](#)

Engineering Data

[STEP](#)

User Documentation

[IS RS 8BIT ADC DAC](#)

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Drawings

Electric symbol

