

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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.

General ordering data

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

RS U-D8 0...10V

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

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

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

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	Input/Output	Analogue / 8 bit
Rail	TS 35, TS 32	Type of connection	Screw connection
Voltage supply	24 V DC		

Insulation coordination

EMC standards	EN 61000-6	Galvanic isolation	Without isolation
---------------	------------	--------------------	-------------------

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	ECLASS 11.0	27-21-01-20

Approvals

Approvals



ROHS

Conform

Creation date March 23, 2021 7:03:44 AM CET

RS U-D8 0...10V

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	IS RS 8BIT ADC DAC

RS U-D8 0...10V

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

Electric symbol

