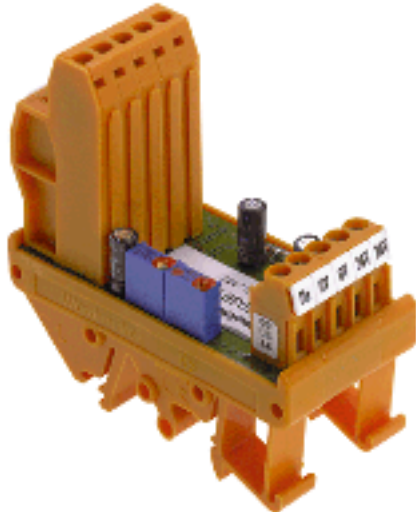


RS-SERIES

RS D8-U 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



The RS D8-I and RS D-U D/A converters are used to convert digital signals to analogue signals. They are used for converting 8-bit digital signals into analogue current or voltage signals. All modules are equipped with a hold function i.e. the instantaneous output value remains constant even when the input values change. You can find additional information describing the input/output characteristics of the A/D converters on our web site at http://www.weidmueller.com/54103/Downloads/Printmedien/Handbuecher/Beipackzettel/cw_index.aspx

General ordering data

Type	RS D8-U 0...10V
Order No.	1160761001
Version	DA converter, Input : 8-bit pulse, Output : 0-10 V
GTIN (EAN)	4032248101245
Qty.	1 pc(s).

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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	8-bit (1-bit signed)	Input resistance, voltage	50 kΩ per input
Rated input level	5...24 V DC = High, 0 V DC = Low, max. 30 V = High		

Output

Number of outputs	1	Output voltage, note	0...10 V
Output current	≤ 10 mA max. current	load impedance voltage	≥ 1 kΩ
Offset voltage	≤ 20 mV	Conversion time	≤ 30 μs

General data

Accuracy	± 1 LSB	Current consumption	25 mA (plus output current)
Galvanic isolation	Without isolation	Input/Output	8 bit / analogue
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

Data sheet**RS-SERIES
RS D8-U 0...10V**

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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[Declaration of Conformity](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[IS RS 8BIT ADC DAC
Instruction sheet](#)

Data sheet

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RS D8-U 0...10V

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Drawings

Electric symbol

