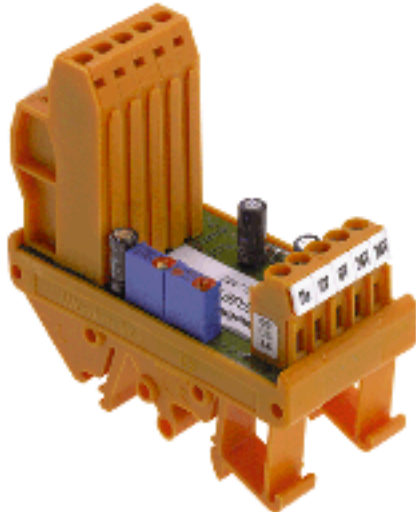


## RS-SERIES

### RS D8-U +-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](http://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](http://www.weidmueller.com/54103/Downloads/Printmedien/Handbuecher/Beipackzettel/cw_index.aspx)

#### General ordering data

Type	RS D8-U +-10V
Order No.	<a href="#">1123361001</a>
Version	DA converter, Input : 8-bit pulse, Output : -10...0...+10 V
GTIN (EAN)	4032248103911
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	74 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	-10...+10 V
Output current	≤ 10 mA max. current	load impedance voltage	≥ 1 kΩ
Offset voltage	≤ 20 mV	Signs	MSB: H = positive; L = negative
Conversion time	≤ 30 μs		

**General data**

Accuracy	± 1 LSB	Configuration	none
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 <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
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 +-10V**

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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**Approval/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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**Drawings**

**Electric symbol**

