

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

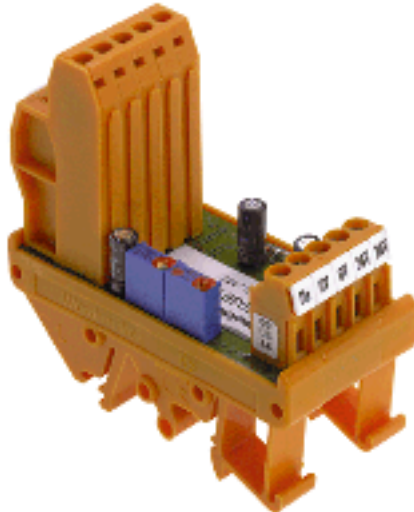
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The RS D8-I and RS D-U D/A converters are used to convert digital signals to analogue signals. They are used for converting 8-bit digital signals into analogue current or voltage signals. All modules are equipped with a hold function i.e. the instantaneous 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	RS-SERIES, DA converter, Rated control voltage:
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	0 °C...50 °C	Storage temperature	-40 °C...80 °C
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Input

Number of inputs	8-bit (1-bit signed)	Input resistance, voltage	50 kΩ per input
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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
Mounting rail	TS 35, TS 32	Supply voltage	24 V DC

Insulation coordination

EMC standards	EN 61000-6	Galvanic isolation	Without isolation
Standards	DIN EN 50178		

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	UNSPSC	30-21-18-01
eClass 5.1	27-23-02-08	eClass 6.2	27-23-02-08
eClass 7.1	27-23-02-08	eClass 8.1	27-23-02-08
eClass 9.0	27-23-02-08	eClass 9.1	27-21-01-90

Approvals

Approvals



ROHS

Conform

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Technical data

Downloads

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

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Drawings

Electric symbol

