

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Do not use product for new  
developments, Only re-  
maining stock available



D/A converters convert digital signals into analogue signals.

They are used for converting 8-bit digital signals into standardised analogue current and voltage signals.

D/A converters are very well suited for use in monitoring processes.

**General ordering data**

Version	DA converter, Input : 8-bit pulse, Output : 0-10 V
Order No.	<a href="#">1160761001</a>
Type	RS D8-U 0...10V
GTIN (EAN)	4032248101245
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2024-06-30

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## Technical data

## Dimensions and weights

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

## Temperatures

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

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

## Output

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

## General data

Accuracy	± 1 LSB	Current consumption	25 mA (plus output current)
Galvanic isolation	Without isolation	Protection degree	IP00
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
ETIM 8.0	EC002653	ETIM 9.0	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
ECLASS 12.0	27-21-01-20	ECLASS 13.0	27-21-01-20

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of Conformity

[Application notes – Declaration of Conformity](#)

User Documentation

[Device description – IS RS 8BIT ADC DAC](#)

[Device description – Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

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# Drawings

## Electric symbol

