

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Do not use product for
new developments, Only
remaining 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.	1160761001
Type	RS D8-U 0...10V
GTIN (EAN)	4032248101245
Qty.	1 items
Available until	2024-06-30T00:00:00+02:00

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	70 mm	Depth (inches)	2.7559 inch
Height	72 mm	Height (inches)	2.8346 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	72 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	0 °C...50 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aeee3697a

Input

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

Output

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

General data

Accuracy	± 1 LSB	Protection degree	IP00
Supply voltage	24 V DC	Current consumption	25 mA (plus output current)
Mounting rail	TS 35, TS 32		

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

Technical data**Classifications**

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	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	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

Drawings

Electric symbol

