

## RS I-D8 0...20MA

**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**



RS U-D8 A/D converters digitize analogue voltage signals and have 8-bit accuracy.

All modules are equipped with a hold function, so that the momentary output value is maintained even during a change to the input value.

You can find additional information describing the input/output characteristics of the A/D converter on our web site at [http://www.weidmueller.com/54104/Downloads/Print-Media/ManualsOperating-instructions/cw\\_index.aspx](http://www.weidmueller.com/54104/Downloads/Print-Media/ManualsOperating-instructions/cw_index.aspx).

### General ordering data

Version	AD converter, Input : 0-20 mA, Output : 8-bit pulse
Order No.	<a href="#">1160561001</a>
Type	RS I-D8 0...20MA
GTIN (EAN)	4032248160594
Qty.	1 Stück
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2022-12-31

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## Technische Daten

### 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	60.9 g		

### Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	0 °C...50 °C
Operating temperature, min.	0 °C	Operating temperature, max.	50 °C

### Input

Input current	0...20 mA	Input resistance, voltage	50 kΩ per input
Number of inputs	1		

### Output

Conversion time	≤ 4 μs	Cut-off frequency (-3 dB)	5 kHz at full scale (sinus)
Number of outputs	8-bit (1-bit signed)	Output current	≤ 25mA (as source)
Output level	17 V = H, 0 V = L		

### General data

Accuracy	± 1 LSB	Current consumption	35 mA (plus output current)
Galvanic isolation	Without isolation	Input/Output	Analogue / 8 bit
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	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

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	3820ceea-2b49-4a61-bda5-08f3867b3419

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## Technische Daten

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of  
Conformity

[Declaration of Conformity](#)

Engineering Data

[WSCAD, EPLAN](#)

User Documentation

[IS RS 8BIT ADC DAC](#)

Catalogues

[Catalogues in PDF-format](#)

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**Zeichnungen**

**Electric symbol**

