

RS I-D8 4...20MA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product is no longer available, Data sheet for information only



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.

aspx

General ordering data

Version	AD converter, Input : 4-20 mA, Output : 8-bit pulse
Order No.	1168561001
Type	RS I-D8 4...20MA
GTIN (EAN)	4032248103843
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-12-31

RS I-D8 4...20MA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	75 g		

Temperatures

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

Input

Input current	4...20 mA	Input resistance, current	$\geq 51 \Omega$
Number of inputs	1		

Output

Conversion time	$\leq 4 \mu\text{s}$	Cut-off frequency (-3 dB)	5 kHz at full scale (sinus)
Number of outputs	8-bit (1-bit signed)	Output current	$\leq 25 \text{ mA}$ (as source)
Output level	17 V = H, 0 V = L		

General data

Accuracy	$\pm 1 \text{ LSB}$	Current consumption	35 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
---------------	------------	--------------------	-------------------

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	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 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	3820ceea-2b49-4a61-bda5-08f3867b3419

RS I-D8 4...20MA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Con-
formity

[Application notes – Declaration of Conformity](#)

User Documentation

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

Catalogues

[Catalogues in PDF-format](#)

RS I-D8 4...20MA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

Electric symbol

