

RS-SERIES
RS D8-I 0...20MA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

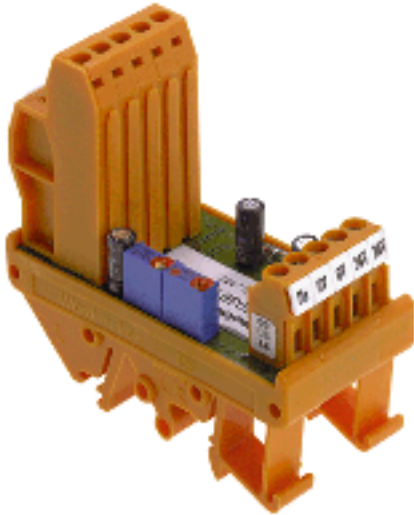
D-32758 Detmold

Germany

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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

Type	RS D8-I 0...20MA
Order No.	1165861001
Version	DA converter, Input : 8-bit pulse, Output : 0-20 mA
GTIN (EAN)	4032248272372
Qty.	1 pc(s).

Creation date May 2, 2020 9:31:55 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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	57.4 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

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

Output

Number of outputs	1	Output current	0...20 mA (as source)
load impedance voltage	≤ 500 Ω	Offset current	max. 0.08 mA
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
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 ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-90
eClass 10.0	27-21-01-20	UNSPSC	30-21-18-01

Data sheet**RS-SERIES
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[Declaration of Conformity](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[IS RS 8BIT ADC DAC
Instruction sheet](#)

Data sheet

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Drawings

Electric symbol

