

Product data sheet

Specifications



Repacked Voltage or current converter, Harmony Analog, Isolated 0...20mA

RMCL55BDW



This repacked option saves 2.783 over the standard condition

Main

Range of product	Harmony Analog
Product or component type	Voltage/current converter
Analogue input type	Current 0...20 mA Current 4...20 mA Voltage +/- 10 V DC Voltage 0...10 V DC
Analogue output type	Current 0...20 mA <= 500 Ohm switchable Current 4...20 mA <= 500 Ohm switchable Voltage +/- 10 V >= 100 kOhm switchable Voltage 0...10 V >= 100 kOhm switchable

Complementary

Protection type	Reverse polarity protection on output Short-circuit protection on output Overvoltage protection on output (+/- 30 V)
abnormal analogue output voltage	11...15 V, output selected - 10...10 V no input or input wire broken voltage 11...15 V, output selected 0...10 V no input or input wire broken voltage -15...0 V, output selected 0...20 mA no input or input wire broken current -15...0 V, output selected 4...20 mA no input or input wire broken current
abnormal analogue output current	22...30 mA, output selected 0...20 mA no input or input wire broken voltage 22...30 mA, output selected 4...20 mA no input or input wire broken voltage -30...0 mA, output selected 0...20 mA no input or input wire broken current 4...30 mA, output selected 4...20 mA no input or input wire broken current
[Us] rated supply voltage	24 V DC +/- 20 %, isolated
Current consumption	<= 70 mA for voltage output <= 90 mA for current output
Local signalling	LED (green) for power ON
tightening torque	0.6...1.1 N.m
Marking	CE
Surge withstand	0.5 kV during 1.2/50 µs conforming to IEC 61000-4-5
[Ui] rated insulation voltage	2 kV
Fixing mode	By screws (mounting plate) Clip-on (35 mm symmetrical DIN rail)
Safety reliability data	B10d = 20000 MTTFd = 21.6 years
Product weight	0.12 kg

Environment

Standards	IEC 60947-1 IEC 60584-1
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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product certifications	UL GL CSA
Fire resistance	850 °C conforming to IEC 60695-2-1 850 °C conforming to UL
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	5 gn (f= 10...100 Hz) conforming to IEC 60068-2-6
Resistance to electrostatic discharge	6 kV (in contact) conforming to IEC 61000-4-2 level 3 8 kV (in air) conforming to IEC 61000-4-2 level 3
Resistance to fast transients	1 kV (on input-output) conforming to IEC 61000-4-4 2 kV (on power supply) conforming to IEC 61000-4-4
Disturbance radiated/conducted	CISPR 22 group 1 - class B CISPR 11
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...50 °C mounting side by side 0...60 °C 2 cm spacing
Pollution degree	2 conforming to IEC 60664-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.7 cm
Package 1 Width	8.2 cm
Package 1 Length	8.5 cm
Package 1 Weight	119.0 g

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Lower carbon footprint

3 kg CO2 eq.

Use Better



Materials and Substances

SCIP Number

A23b5c8f-6893-4fd3-af99-564158dacf76

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Use Longer



Lifetime extension

Repair

No