

RMCL55BD

Isoled Analog Converter - 0..20 mA - for Zelio Analog

Product availability : Stock - Normally stocked in distribution facility



Main

Range of product	Zelio 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	Overvoltage protection on output (+/- 30 V) Reverse polarity protection on output Short-circuit protection on output
Analogue output voltage	11...15 V, output selected - 10...10 V, when no input or input wire broken, input selected is voltage 11...15 V, output selected 0...10 V, when no input or input wire broken, input selected is voltage -15...0 V, output selected 0...20 mA, when no input or input wire broken, input selected is current -15...0 V, output selected 4...20 mA, when no input or input wire broken, input selected is current
Analogue output current	22...30 mA, output selected 0...20 mA, when no input or input wire broken, input selected is voltage 22...30 mA, output selected 4...20 mA, when no input or input wire broken, input selected is voltage 0...-30 mA, output selected 0...20 mA, when no input or input wire broken, input selected is current 4...-30 mA, output selected 4...20 mA, when no input or input wire broken, input selected is current
[Us] rated supply voltage	24 V DC +/- 20 %, isolated
Current consumption	<= 70 mA voltage output <= 90 mA current output
Local signalling	LED green (power ON)
Measurement error	+/- 1 % of full scale at 20 °C +/- 10 % of full scale at 20 °C (electromagnetic interference of 10 V/m)
Repeat accuracy	+/- 0.2 % full scale at 20 °C +/- 0.6 % full scale at 60 °C
Temperature coefficient	200 ppm/°C

Clamping connection capacity	2 x 1.5 mm ² 1 x 2.5 mm ²
Tightening torque	5.31...9.73 lbf.in (0.6...1.1 N.m)
Marking	CE
Surge withstand	0.5 kV 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	0.26 lb(US) (0.12 kg)

Environment

Standards	IEC 60584-1 IEC 60947-1
Product certifications	UL CSA GL
IP degree of protection	IP20 terminal block IP50 housing
Fire resistance	1562 °F (850 °C) conforming to IEC 60695-2-1 1562 °F (850 °C) conforming to UL
Shock resistance	50 gn 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...185 °F (-40...85 °C)
Ambient air temperature for operation	32...122 °F (0...50 °C) (mounting side by side) 32...140 °F (0...60 °C) (2 cm spacing)
Pollution degree	2 conforming to IEC 60664-1

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901577218
Nbr. of units in pkg.	1
Package weight(Lbs)	0.26000000000000001
Returnability	Y
Country of origin	ID

Contractual warranty

Warranty period	18 months
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