Product data sheet

Specifications

Isolated analog converter, Harmony Analog, 0â€¦15A current to 0â€¦10V or 4...20mA

RMCA61BD

Product availability: Stock - Normally stocked in distribution facility

Price*: 154.00 USD

Main

Range Of Product	Harmony Analog
Product Or Component Type	Voltage/current converter
Analogue Input Type	Current 0...1.5 A AC/DC 50/60 Hz Current 0...15 A AC/DC 50/60 Hz Current 0...5 A AC/DC 50/60 Hz
Analogue Output Type	Current 0...20 mA <= 500 Ohm by cabling Current 4...20 mA <= 500 Ohm by cabling Voltage 0...10 V >= 100 kOhm by cabling

Complementary

Protection Type	Reverse polarity protection on output Short-circuit protection on output Overvoltage protection on output (+/- 30 V)
Abnormal Analogue Output Voltage	-15...0 V no input or input wire broken
Abnormal Analogue Output Current	-30…0 mA 0...20 mA no input or input wire broken 4…30 mA 4...20 mA no input or input wire broken
[Us] Rated Supply Voltage	24 V DC +/- 20 %, isolated
Current Consumption	<= 70 mA voltage output <= 90 mA current output
Local Signalling	for power ON LED (green)
Measurement Error	+/- 5 % of full scale20 °C temporary performance degradation when subject to electromagnetic interference)
Repeat Accuracy	+/- 0.2 % full scale 20 °C +/- 0.6 % full scale 60 °C
Temperature Coefficient	1000 ppm/°C 0...5 A 2000 ppm/°C 0...15 A 500 ppm/°C 0...1.5 A
Clamping Connection Capacity	2 x 1.5 mm² 1 x 2.5 mm²
Tightening Torque	5.31…9.74 lbf.in (0.6…1.1 N.m)
Marking	CE
Surge Withstand	0.5 kV 1.2/50 µs 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 = 22108 MTTFd = 23.9 years

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Net Weight	0.33 lb(US) (0.15 kg)

Environment

Standards	IEC 60947-1 IEC 60584-1
Product Certifications	CSA UL GL
Ip Degree Of Protection	IP20 terminal block) IP50 housing)
Fire Resistance	1562 °F (850 °C) IEC 60695-2-1 1562 °F (850 °C) UL
Shock Resistance	50 gn 11 ms IEC 60068-2-27
Vibration Resistance	5 gn 10…100 Hz)IEC 60068-2-6
Resistance To Electrostatic Discharge	6 kV in contact)IEC 61000-4-2 level 3 8 kV in air)IEC 61000-4-2 level 3
Resistance To Fast Transients	1 kV IEC 61000-4-4 on input-output) 2 kV IEC 61000-4-4 on power supply)
Disturbance Radiated/Conducted	CISPR 11 CISPR 22 group 1 - class B
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 IEC 60664-1

Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
Gtin	3389110108880
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.91 in (4.852 cm)
Package 1 Width	3.22 in (8.168 cm)
Package 1 Length	3.31 in (8.397 cm)
Package 1 Weight	5.64 oz (160.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	33
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	13.52 lb(US) (6.131 kg)
Unit Type Of Package 3	P06

Number Of Units In Package 3	528
Package 3 Height	29.53 in (75 cm)
Package 3 Width	23.62 in (60 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	233.69 lb(US) (106 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information	Yes

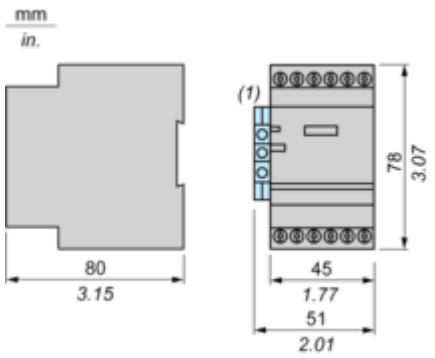
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Analog Interface: Voltage/Current Converter

Dimensions

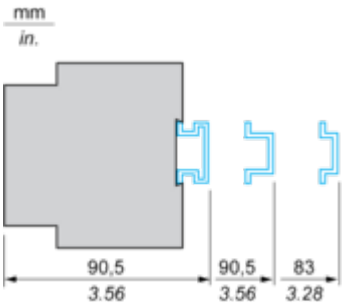


(1) Terminal block AB1TP435U or AB1RRNTP435U2

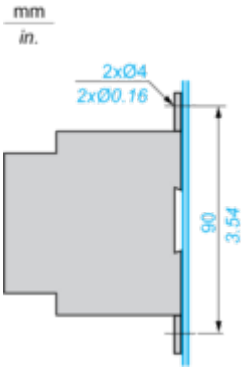
Mounting and Clearance

Mounting

Mounting on Rails AM1•••••



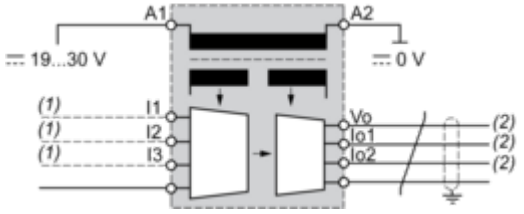
Panel Mounting



Connections and Schema

Analog Interface: Voltage/Current Converter

Wiring Diagram



(1) Use 1 input only.
(2) Use 1 output only.
The input, output and power supply lines must be kept away from the power cables to avoid effects due to induced interference.
The supply, input and output cables must be shielded as indicated in the schemes and must be kept away from each other.