

# Product data sheet

Specifications



## Isolated analog converter, Harmony analog, 0...500V to 0...10V or 4...20mA

RMCV60BD

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	Voltage 0...300 V AC/DC 50/60 Hz Voltage 0...50 V AC/DC 50/60 Hz Voltage 0...500 V AC/DC 50/60 Hz
Analogue Output Type	Current 0...20 mA <= 500 Ohm switchable Current 4...20 mA <= 500 Ohm switchable Voltage 0...10 V >= 100 kOhm switchable

### Complementary

Protection Type	Short-circuit protection on output Reverse polarity 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 scale 20 °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	200 ppm/°C
Clamping Connection Capacity	1 x 2.5 mm <sup>2</sup> 2 x 1.5 mm <sup>2</sup>
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	MTTFd = 21.6 years B10d = 20000
Net Weight	0.33 lb(US) (0.15 kg)

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

## Environment

<b>Standards</b>	IEC 60584-1 IEC 60947-1
<b>Product Certifications</b>	UL GL CSA
<b>Ip Degree Of Protection</b>	IP20 terminal block) IP50 housing)
<b>Fire Resistance</b>	1562 °F (850 °C) IEC 60695-2-1 1562 °F (850 °C) UL
<b>Shock Resistance</b>	50 gn 11 ms IEC 60068-2-27
<b>Vibration Resistance</b>	5 gn 10...100 Hz)IEC 60068-2-6
<b>Resistance To Electrostatic Discharge</b>	6 kV in contact)IEC 61000-4-2 level 3 8 kV in air)IEC 61000-4-2 level 3
<b>Resistance To Fast Transients</b>	1 kV IEC 61000-4-4 on input-output) 2 kV IEC 61000-4-4 on power supply)
<b>Disturbance Radiated/Conducted</b>	CISPR 11 CISPR 22 group 1 - class B
<b>Ambient Air Temperature For Storage</b>	-40...185 °F (-40...85 °C)
<b>Ambient Air Temperature For Operation</b>	32...122 °F (0...50 °C) mounting side by side 32...140 °F (0...60 °C) 2 cm spacing
<b>Pollution Degree</b>	2 IEC 60664-1

## Ordering and shipping details

<b>Category</b>	US10CP222375
<b>Discount Schedule</b>	0CP2
<b>Gtin</b>	3389110108910
<b>Returnability</b>	No
<b>Country Of Origin</b>	ID

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	1.06 in (2.7 cm)
<b>Package 1 Width</b>	3.35 in (8.5 cm)
<b>Package 1 Length</b>	3.23 in (8.2 cm)
<b>Package 1 Weight</b>	4.06 oz (115.0 g)
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	47
<b>Package 2 Height</b>	5.91 in (15 cm)
<b>Package 2 Width</b>	11.81 in (30 cm)
<b>Package 2 Length</b>	15.75 in (40 cm)
<b>Package 2 Weight</b>	13.38 lb(US) (6.07 kg)
<b>Unit Type Of Package 3</b>	P06
<b>Number Of Units In Package 3</b>	752

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<b>Package 3 Height</b>	29.53 in (75 cm)
<b>Package 3 Width</b>	23.62 in (60 cm)
<b>Package 3 Length</b>	31.50 in (80 cm)
<b>Package 3 Weight</b>	231.49 lb(US) (105 kg)

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## **Contractual warranty**

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<b>Warranty</b>	18 months
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## 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<sub>2</sub> 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

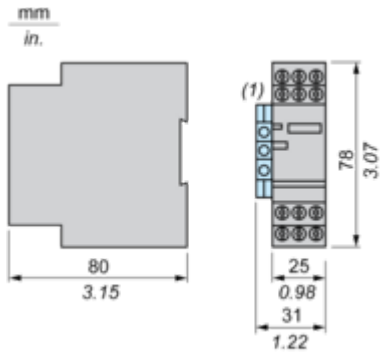
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Analog Interface (Converter)

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Dimensions



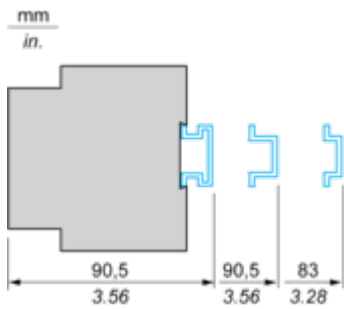
(1) Terminal block AB1TP435U or AB1RRNTP435U2

Mounting and Clearance

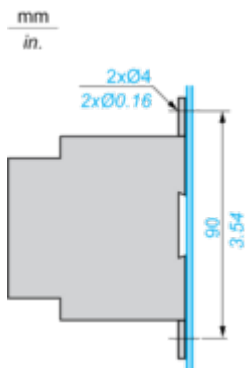
Mounting

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Mounting on Rails AM1•••••



Panel Mounting

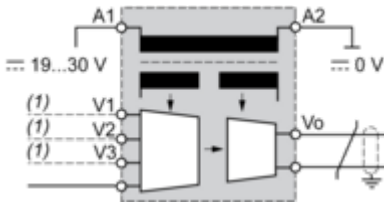


Connections and Schema

Analog Interface: Voltage/Current Converter

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Wiring Diagram



(1) Use 1 input 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.