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

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	LED (green) for power ON
tightening torque	5.3…9.7 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)

Environment

Standards	IEC 60584-1 IEC 60947-1
Product Certifications	UL GL CSA
Fire resistance	1562 °F (850 °C) IEC 60695-2-1 1562 °F (850 °C) UL

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

Shock resistance	50 gn 11 ms 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)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	3389110108910
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.06 in (2.7 cm)
Package 1 Width	3.3 in (8.5 cm)
Package 1 Length	3.2 in (8.2 cm)
Package weight(Lbs)	4.06 oz (115.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	47
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	13.38 lb(US) (6.07 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	752
Package 3 Height	29.5 in (75 cm)
Package 3 Width	23.6 in (60 cm)
Package 3 Length	31.5 in (80 cm)
Package 3 Weight	231.5 lb(US) (105 kg)

Contractual warranty

Warranty	18 months

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

Carbon footprint (kg CO2 eq, Total Life cycle)	23

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	A23b5c8f-6893-4fd3-af99-564158dacf76
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

Use Again

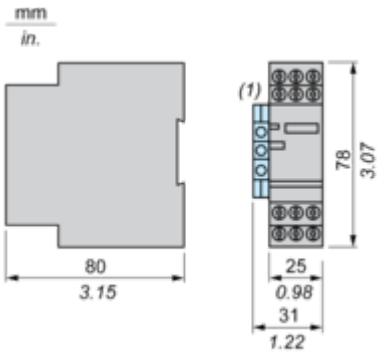
Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Analog Interface (Converter)

Dimensions

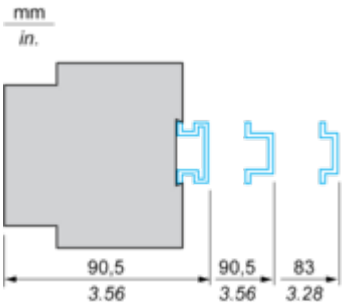


(1) Terminal block AB1TP435U or AB1RRNTP435U2

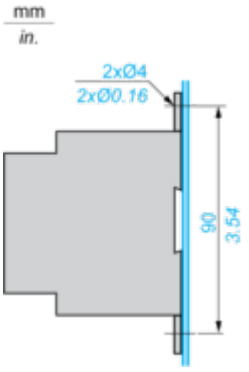
Mounting and Clearance

Mounting

Mounting on Rails AM1•••••



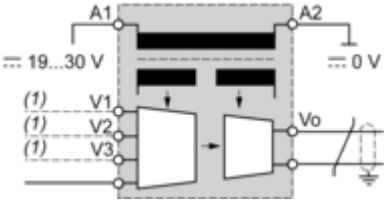
Panel Mounting



Connections and Schema

Analog Interface: Voltage/Current Converter

Wiring Diagram



(1) Use 1 input only.
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.

Technical Illustration

Dimensions

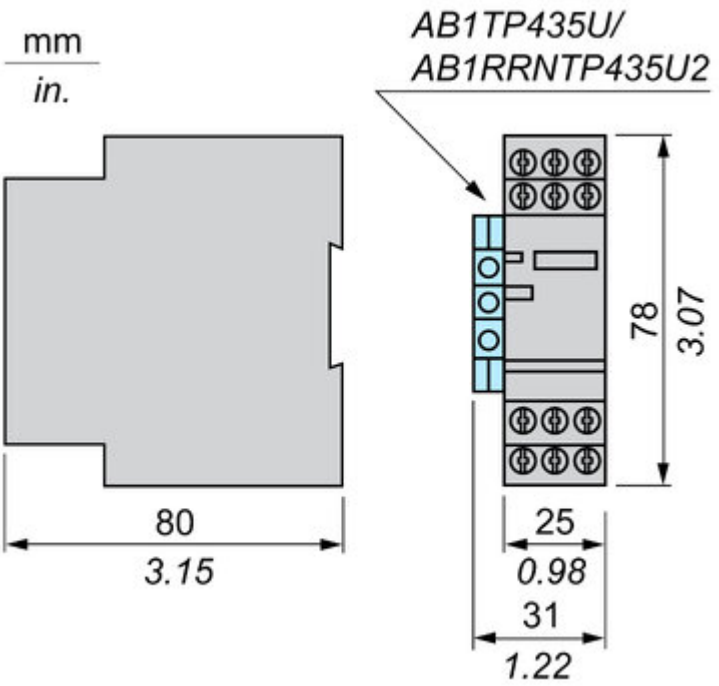
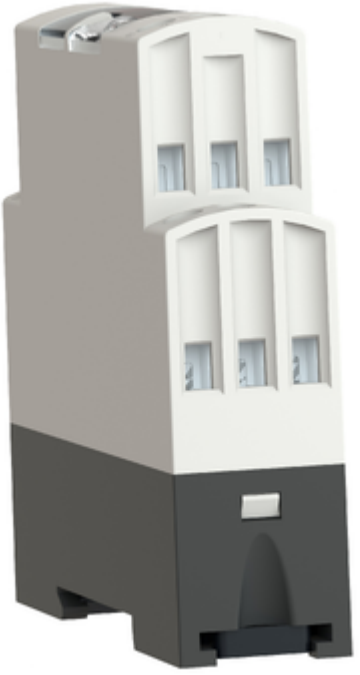


Image of product / Alternate images

Alternative