

# Product data sheet

Specifications



## isolated analog output module X80 - 2 outputs - severe

BMXAMO0210H

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

Range Of Product	Modicon X80
Product Or Component Type	Analog output module
Product Specific Application	For severe environments
Electrical Connection	20 ways 1 connector
Isolation Between Channels	Isolated

### Complementary

Measurement Error	0.1 % of full scale 25 °C <= 0.45 % of full scale - 25...70 °C
Temperature Drift	30 ppm/°C
Recalibration	Factory calibrated
Minimum Crosstalk Attenuation	90 dB
Common Mode Rejection	100 dB
Isolation Voltage	1400 V DC between channels and ground 1400 V DC between channels and bus 750 V DC between channels
Detection Type	Open circuit 0...20 mA Open circuit 4...20 mA Short circuit +/- 10 V
Load Impedance Ohmic	<= 600 Ohm 0...20 mA <= 600 Ohm 4...20 mA >= 1000 Ohm +/- 10 V
Output Level	High level
Analogue Output Number	2
Analogue Output Type	Current 0...20 mA Current 4...20 mA Voltage +/- 10 V
Analogue Output Resolution	15 bits + sign
Supply	Internal power supply via rack
Conversion Time	<= 1 ms
Maximum Conversion Value	+/- 11.25 V +/- 10 V 0...24 mA 0...20 mA 0...24 mA 4...20 mA
Fallback Mode	Configurable Predefined
Mtbf Reliability	1300000 H
Operating Altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor

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

Status Led	1 LED (Green) RUN 1 LED per channel (Green) channel diagnostic 1 LED (Red) ERR 1 LED (Red) I/O
Net Weight	0.32 lb(US) (0.144 kg)
Power Consumption In W	2.1 W 24 V DC typical 2.8 W 24 V DC maximum 0.35 W 3.3 V DC typical 0.48 W 3.3 V DC maximum

## Environment

Vibration Resistance	3 gn
Shock Resistance	30 gn
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature For Operation	-13...158 °F (-25...70 °C)
Relative Humidity	5...95 % 131 °F (55 °C) without condensation
Ip Degree Of Protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product Certifications	CE RCM CSA EAC Merchant Navy UL ATEX IEC-Ex
Standards	EN/IEC 61010-2-201 EN/IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
Environmental Characteristic	Gas resistant class Gx Gas resistant class 3C4 Dust resistant class 3S4 Sand resistant class 3S4 Salt resistant level 2 Mold growth resistant class 3B2 Fungal spore resistant class 3B2 Hazardous location
Protective Treatment	Conformal coating

## Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
Gtin	3595864025322
Returnability	No
Country Of Origin	FR

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	4.33 in (11.000 cm)

Package 1 Length	4.72 in (12.000 cm)
Package 1 Weight	6.46 oz (183.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	6.75 lb(US) (3.063 kg)

## Contractual warranty

Warranty	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 >](#)

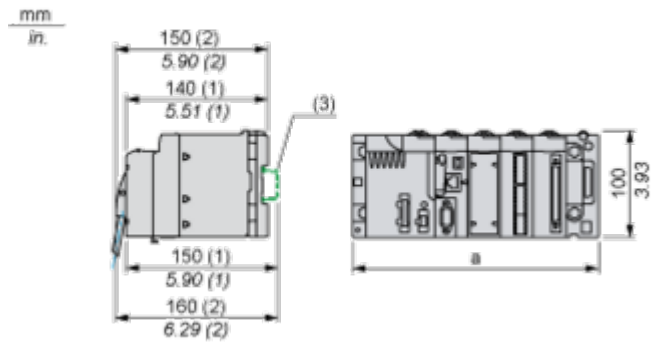
## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
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>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and 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

Modules Mounted on Racks

Dimensions

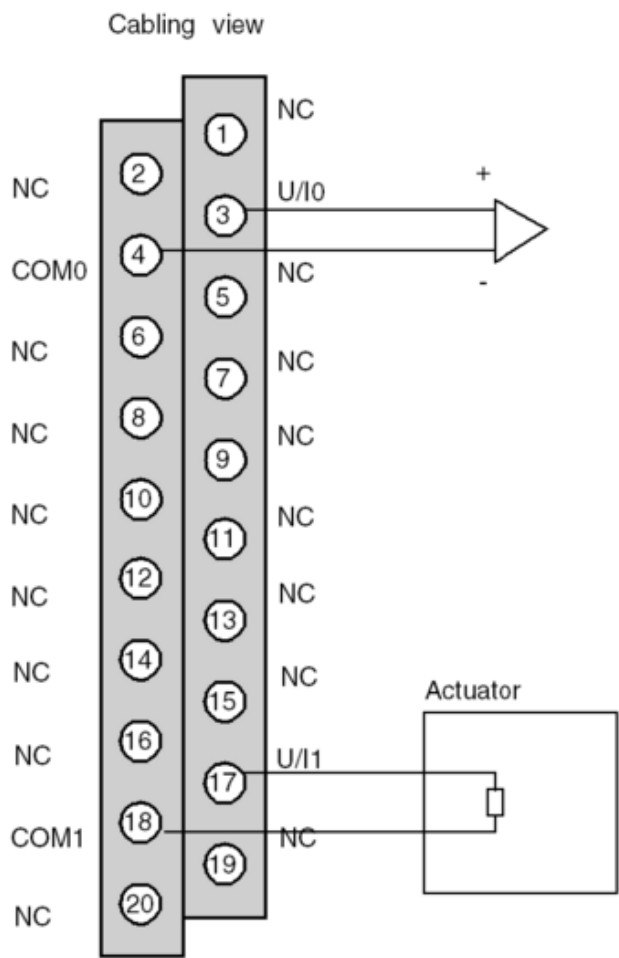


- (1) With removable terminal block (cage, screw or spring).  
(2) With FCN connector.  
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connections and Schema

Wiring Diagram



**U/Ix** + pole input for channel x  
**COMx** - pole input for channel x  
**Channel 0** Voltage actuator  
**Channel 1** Current actuator  
The current loop is self-powered by the output and does not request any external supply.