Product data sheet

Specifications

Green Premium™

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.

Status LED	1 LED (Green) RUN
	1 LED per channel (Green) channel diagnostic
	1 LED (Red) ERR
	1 LED (Red) I/O

Net Weight	0.317 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	-40.0000000000…185.0000000000 °F (-40…85 °C)

Ambient Air Temperature for Operation	-13.0000000000…158.0000000000 °F (-25…70 °C)

Relative humidity	5…95 % 131.0000000000 °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	2.165 in (5.500 cm)

Package 1 Width	4.331 in (11.000 cm)

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Package 1 Length	4.724 in (12.000 cm)
Package 1 Weight	6.455 oz (183.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	6.753 lb(US) (3.063 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 ›

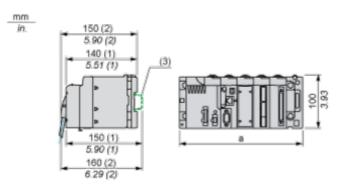Transparency   RoHS/REACh

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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
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 www.P65Warnings.ca.gov

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Dimensions Drawings

Modules Mounted on Racks

Dimensions

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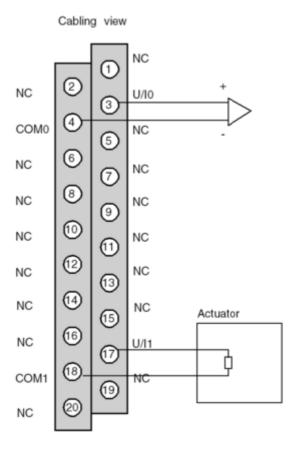**(2)** With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

Cabling view

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.