Product datasheet

Specifications

Green Premium™

isolated analog output module X80 - 4 outputs - severe

BMXAMO0410H

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	45 ppm/°C +/- 10 V 45 ppm/°C 0...20 mA 45 ppm/°C 4...20 mA
Minimum crosstalk attenuation	80 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	>= 1000 Ohm +/- 10 V <= 500 Ohm 0...20 mA <= 500 Ohm 4...20 mA
Output level	High level
Analogue output number	4
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	0...21 mA 0...20 mA 0...21 mA 4...20 mA +/- 10.5 V +/- 10 V
Fallback mode	Configurable Predefined
MTBF reliability	1000000 H
Operating altitude	0...2000 m 2000...5000 m with iderating 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	0.15 kg

Power consumption in W	3 W 24 V DC typical
	3.6 W 24 V DC maximum
	0.45 W 3.3 V DC typical
	0.51 W 3.3 V DC maximum

Current consumption	150 mA at 3.3 V DC
	140 mA at 24 V DC

Environment

Vibration resistance	3 gn

Shock resistance	30 gn

ambient air temperature for storage	-40…85 °C

Ambient air temperature for operation	-25…70 °C

Relative humidity	5…95 % at 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

Packing Units

Unit Type of Package 1	PCE

Number of Units in Package 1	1

Package 1 Height	5.500 cm

Package 1 Width	11.600 cm

Package 1 Length	11.800 cm

Package 1 Weight	222.000 g

Unit Type of Package 2	S02

Number of Units in Package 2	15

Package 2 Height	15.000 cm

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Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.624 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} 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

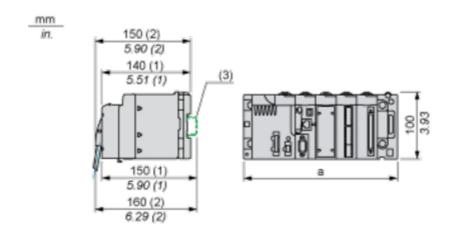✓ Rohs Exemption Information   Yes

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

Dimensions Drawings
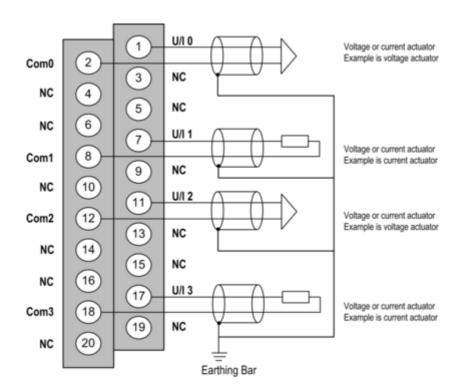
Modules Mounted on Racks

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

BMXAMO0410H

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.