Product data sheet

Specifications

isolated analog output module X80 - 2 outputs - severe

BMXAMO0210H

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...2000 m 2000...5000 m with derating factor

Status LED	1 LED (green) RUN
	1 LED per channel (green) channel diagnostic
	1 LED (red) ERR
	1 LED (red) I/O

Net weight	0.144 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…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	11.000 cm

Package 1 Length	12.000 cm

Package 1 Weight	183.000 g

Unit Type of Package 2	S02

Number of Units in Package 2	15

Package 2 Height	15.000 cm

Package 2 Width	30.000 cm

Package 2 Length	40.000 cm

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Package 2 Weight	3.063 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

Total lifecycle Carbon footprint	**150**
Environmental Disclosure	**Product Environmental Profile**

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)**
REACh Regulation	**REACh Declaration**
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**

Use Again

Repack and remanufacture

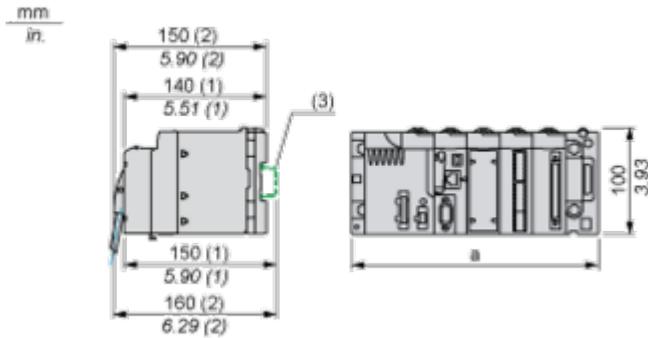|	
End of life manual availability	**End of Life Information**
Take-back	**No**

Dimensions Drawings

Modules Mounted on Racks

Dimensions

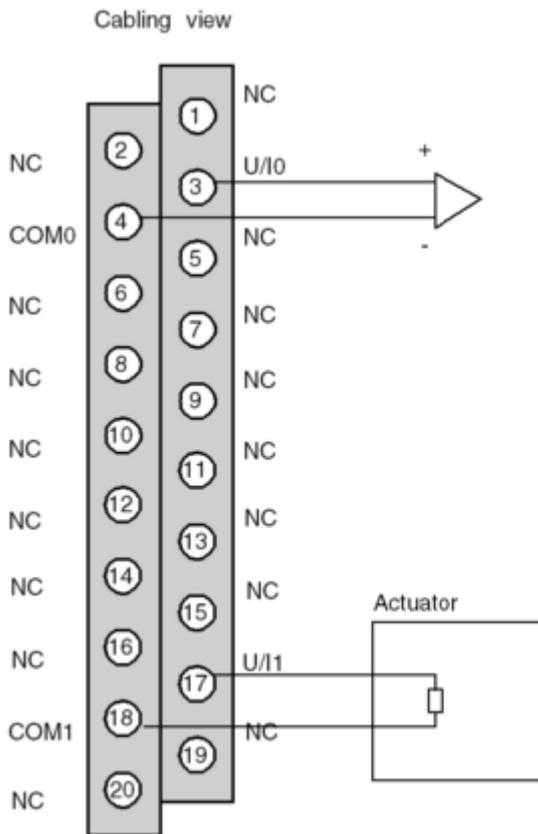**(1)** With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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.

Image of product / Alternate images

Alternative