Product data sheet

Specifications

analog non isolated high level output module, Modicon X80, 8 outputs, 0 to 20mA, 4 to 20mA

BMXAMO0802

Main

Range Of Product	Modicon X80
Product Or Component Type	Analog output module
Electrical Connection	20 ways 1 connector
Isolation Between Channels	Non isolated

Complementary

Analogue Input Resolution	16 bits
Measurement Error	<= 0.25 % of full scale 0...60 °C 0.1 % of full scale 25 °C
Temperature Drift	45 ppm/°C 0...20 mA 45 ppm/°C 4...20 mA
Minimum Crosstalk Attenuation	80 dB
Common Mode Rejection	80 dB
Isolation Voltage	1400 V DC between channels and ground 1400 V DC between channels and bus
Detection Type	Open circuit 4...20 mA Short circuit 0...20 mA
Load Impedance Ohmic	<= 350 Ohm 0...20 mA <= 350 Ohm 4...20 mA
Output Level	High level
Analogue Output Number	8
Analogue Output Type	Current: 0...20 mA Current: 4...20 mA
Analogue Output Resolution	16 bits
Supply	Internal power supply via rack
Conversion Time	<= 4 ms
Maximum Conversion Value	0...21 mA 0...20 mA 0...21 mA 4...20 mA
Fallback Mode	Configurable Predefined
Mtbf Reliability	1500000 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	0.15 kg
Power Consumption In W	3.6 W 24 V DC typical 3.9 W 24 V DC maximum 0.35 W 3.3 V DC typical 0.48 W 3.3 V DC maximum
Current Consumption	150 mA at 3.3 V DC 135 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	0…60 °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
Standards	EN/IEC 61010-2-201 EN/IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.300 cm
Package 1 Width	11.000 cm
Package 1 Length	11.600 cm
Package 1 Weight	169.000 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
Package 2 Weight	2.650 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 >
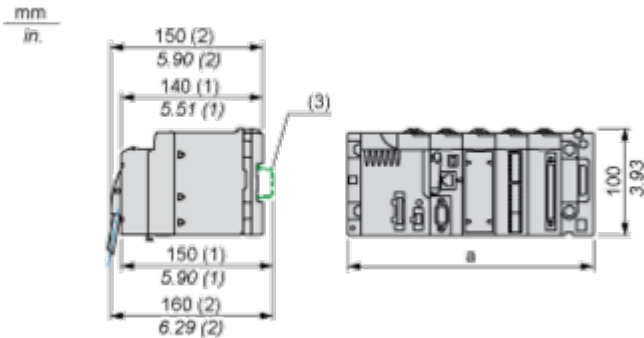
Guide to assess a product's sustainability >

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
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 www.P65Warnings.ca.gov

Dimensions Drawings

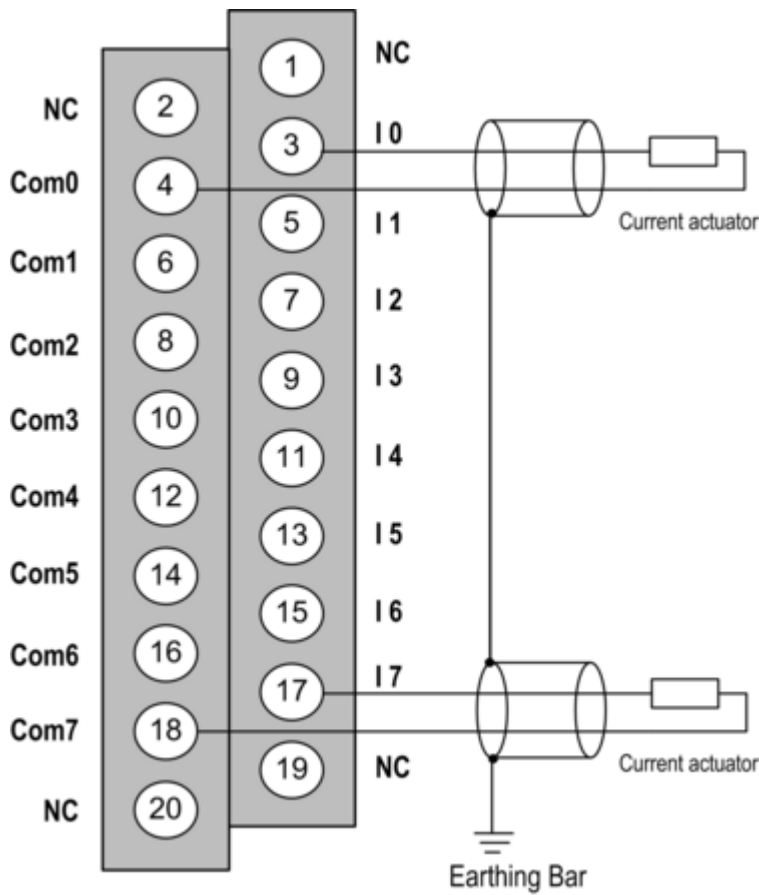**Modules Mounted on Racks**

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

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Connections and Schema

Wiring Diagram

Ix + pole input for channel x.
COMx - pole input for channel x, COMx are connected together internally.
The current loop is self-powered by the output and does not request any external supply.