

# Product data sheet

Specifications



## Analog isolated high level output module, Modicon X80, 2 outputs, 0 to 20mA, 4 to 20mA, 10V positive or negative

BMXAMO0210

**Product availability: Stock - Normally stocked in distribution facility**

### Main

Range of Product	Modicon X80
Product or Component Type	Analog output module
Electrical connection	20 ways 1 connector
Isolation between channels	Isolated

### Complementary

Measurement error	$\leq 0.2\%$ of full scale 0...60 °C 0.1 % of full scale 25 °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	$\leq 600\ \Omega$ 0...20 mA $\leq 600\ \Omega$ 4...20 mA $\geq 1000\ \Omega$ +/- 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	$\leq 1\ \text{ms}$
Maximum conversion value	+/- 11.25 V +/- 10 V 0...24 mA 0...20 mA 0...24 mA 4...20 mA
Fallback mode	Predefined Configurable
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.

<b>Status LED</b>	1 LED (Green) RUN 1 LED per channel (Green) channel diagnostic 1 LED (Red) ERR 1 LED (Red) I/O
<b>Net Weight</b>	0.317 lb(US) (0.144 kg)
<b>Power consumption in W</b>	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
<b>Current consumption</b>	150 mA 3.3 V DC 110 mA 24 V DC

## Environment

<b>Vibration resistance</b>	3 gn
<b>Shock resistance</b>	30 gn
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Ambient Air Temperature for Operation</b>	32...140 °F (0...60 °C)
<b>Relative humidity</b>	5...95 % 131 °F (55 °C) without condensation
<b>IP Degree of Protection</b>	IP20
<b>Directives</b>	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
<b>Product Certifications</b>	CE RCM CSA EAC Merchant Navy UL
<b>Standards</b>	IEC 61010-2-201 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
<b>Protective treatment</b>	Standard version

## Ordering and shipping details

<b>Category</b>	US1PC3418160
<b>Discount Schedule</b>	PC34
<b>GTIN</b>	3595863910209
<b>Returnability</b>	Yes
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	2.165 in (5.500 cm)
<b>Package 1 Width</b>	4.331 in (11.000 cm)
<b>Package 1 Length</b>	4.528 in (11.500 cm)
<b>Package weight(Lbs)</b>	6.102 oz (173.000 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	15

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<b>Package 2 Height</b>	5.906 in (15.000 cm)
<b>Package 2 Width</b>	11.811 in (30.000 cm)
<b>Package 2 Length</b>	15.748 in (40.000 cm)
<b>Package 2 Weight</b>	6.396 lb(US) (2.901 kg)

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## **Contractual warranty**

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<b>Warranty (in months)</b>	18
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## 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 149 kg CO2 eq.

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number Ad4cea6d-914d-448b-b874-17dfaccebf6

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](http://www.P65Warnings.ca.gov)

## Use Longer

### Lifetime extension

Repair No

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No

Dimensions Drawings

Modules Mounted on Racks

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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

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**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

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