

analog non isolated high level IO module, Modicon X80, 4 I, 2 O, 0 to 20mA, 4 to 20mA, 10V positive or negative

BMXAMM0600

Product availability: Stock - Normally stocked in distribution facility

Main

Modicon X80
Mixed analog I/O module
20 ways 1 connector
Non isolated
High level
4
Current 020 mA Current 420 mA Voltage +/- 10 V Voltage 010 V Voltage 05 V Voltage 1 5 V

Complementary

Analogue Input Resolution	12 bits 020 mA
	12 bits 05 V
	12 bits 15 V
	12 bits 420 mA
	13 bits 010 V
	14 bits +/- 10 V
Permitted Overload On Inputs	+/- 30 mA 020 mA
	+/- 30 mA 420 mA
	+/- 30 V +/- 10 V
	+/- 30 V 010 V
	+/- 30 V 05 V
	+/- 30 V 15 V
Input Impedance	250 Ohm
Precision Of Internal Conversion Resistor	0.1 % - 15 ppm/°C
Type Of Filter	First order digital filtering by firmware
Fast Read Cycle Time	1 ms + 1 ms x number of channels used
Nominal Read Cycle Time	5 ms for 4 channels

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Measurement Error	0.25 % of full scale 020 mA 25 °C output
	0.25 % of full scale 420 mA 25 °C output
	<= 0.35 % of full scale +/- 10 V 060 °C input
	<= 0.35 % of full scale 010 V 060 °C input
	<= 0.35 % of full scale 05 V 060 °C input <= 0.35 % of full scale 15 V 060 °C input
	<= 0.5 % of full scale 15 v 060 °C input
	<= 0.5 % of full scale 420 mA 060 °C input
	<= 0.6 % of full scale +/- 10 V 060 °C output
	<= 0.6 % of full scale 020 mA 060 °C output
	<= 0.6 % of full scale 420 mA 060 °C output
	0.25 % of full scale +/- 10 V 25 °C output
	0.25 % of full scale +/- 10 V 25 °C input
	0.25 % of full scale 010 V 25 °C input
	0.25 % of full scale 05 V 25 °C input 0.25 % of full scale 15 V 25 °C input
	0.35 % of full scale 020 mA 25 °C input
	0.35 % of full scale 420 mA 25 °C
Temperature Drift	100 ppm/°C +/- 10 V output
	100 ppm/°C 020 mA output
	100 ppm/°C 420 mA output
	30 ppm/°C +/- 10 V input
	30 ppm/°C 010 V input
	30 ppm/°C 05 V input
	30 ppm/°C 15 V input 50 ppm/°C 020 mA input
	50 ppm/°C 420 mA input
Recalibration	Factory calibrated on outputs
	Internal on inputs
Minimum Crosstalk Attenuation	70 dB
Common Mode Rejection	80 dB
Isolation Voltage	1400 V DC between channels and ground
	1400 V DC between channels and bus
	750 V DC between group of I/O channels
Output Level	High level
Analogue Output Number	2
Analogue Output Type	Current 020 mA
	Current 420 mA
	Voltage +/- 10 V
Analogue Output Resolution	11 bits, 020 mA
3	11 bits, 420 mA
	12 bits, +/- 10 V
Conversion Time	<= 2 ms
Maximum Conversion Value	+/- 11.25 V +/- 10 V output
	+/- 11.25 V +/- 10 V input
	030 mA 020 mA input
	030 mA 420 mA input
	+/- 11.25 V 010 V input
	+/- 11.25 V 05 V input +/- 11.25 V 15 V input
	+/- 11.25 V 15 V Input 024 mA 020 mA output
	024 mA 420 mA output
Fallback Mode	Predefined
	Configurable
Mtbf Reliability	1400000 H
Operating Altitude	06561.68 ft (02000 m)
· •	20005000 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	0.34 lb(US) (0.155 kg)

Power Consumption In W	2.6 W 24 V DC typical
	3.2 W 24 V DC maximum
	0.35 W 3.3 V DC typical
	0.48 W 3.3 V DC maximum
Current Consumption	240 mA 3 3 V DC

Environment

Vibration Resistance	3 gn
Shock Resistance	30 gn
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Ambient Air Temperature For Operation	32140 °F (060 °C)
Relative Humidity	595 % 131 °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
Standards	EN/IEC 61010-2-201 EN/IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
Gtin	3595863966268
Returnability	Yes
Country Of Origin	ID

Packing Units

•	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	4.33 in (11.000 cm)
Package 1 Length	4.57 in (11.600 cm)
Package 1 Weight	6.03 oz (171.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	6.35 lb(US) (2.882 kg)

Contractual warranty

Warranty

18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Well-being performance

	Mercury Free	
Ø	Rohs Exemption Information	Yes
Read	ch Regulation	REACh Declaration

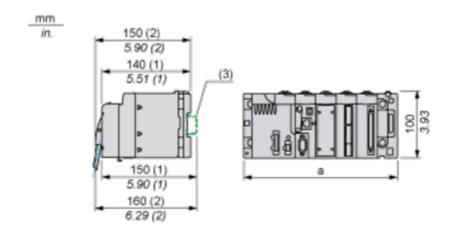
REACH Declaration	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	WARNING: 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

BMXAMM0600

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 U0 1 10 NC voltage sensor wiring NC COM₀ (5 Loopsupply 0 + 2W - 0-+ 24VDC -6 U1 11 (7 COM₁ current sensor wiring U2 9 (10) 12 COM₂ grounding bar U3 13 13 сомз NC (15 (16) NC U/IO0 see legend below **(**17 (18 COMO0 U/IO1 **(**19 current or voltage actuator wiring (20 COMO1 grounding bar

Ux + pole input for channel x COMx - pole input for channel x U/IOx + pole output for channel x

COMOx - pole output for channel x

^{*} The current loop is self-powered by the output and does not request any external supply.