



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	$\leq 0.25\%$ of full scale $0...60\text{ }^{\circ}\text{C}$ 0.1% of full scale $25\text{ }^{\circ}\text{C}$
Temperature drift	$45\text{ ppm}/^{\circ}\text{C}$ $0...20\text{ mA}$ $45\text{ ppm}/^{\circ}\text{C}$ $4...20\text{ mA}$
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 $4...20\text{ mA}$ Short circuit $0...20\text{ mA}$
Load impedance ohmic	$\leq 350\text{ Ohm}$ $0...20\text{ mA}$ $\leq 350\text{ Ohm}$ $4...20\text{ mA}$
Output level	High level
Analogue output number	8
Analogue output type	Current: $0...20\text{ mA}$ Current: $4...20\text{ mA}$
Analogue output resolution	16 bits
Supply	Internal power supply via rack
Conversion time	$\leq 4\text{ ms}$
Maximum conversion value	$0...21\text{ mA}$ $0...20\text{ mA}$ $0...21\text{ mA}$ $4...20\text{ mA}$
Fallback mode	Configurable Predefined
Operating altitude	$0...2000\text{ m}$ $2000...5000\text{ m}$ 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

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 Weight	226 g
Package 1 Height	5.5 cm
Package 1 width	11 cm
Package 1 Length	12 cm
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	3.845 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Modules Mounted on Racks

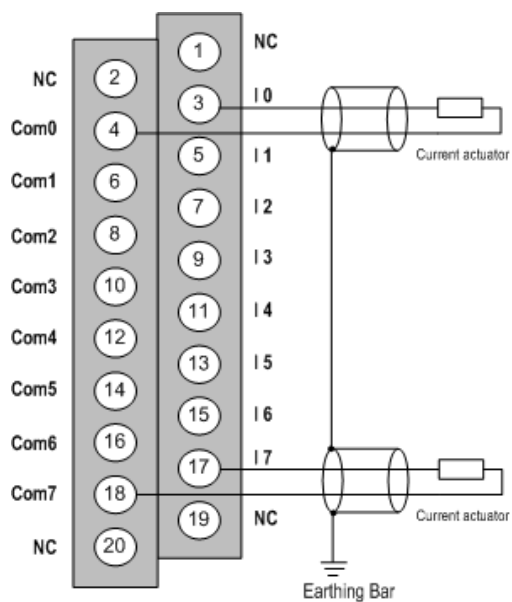
Dimensions



- (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

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.