



Main

Range of product	Modicon X80
Product or component type	Analog output module
Electrical connection	1 connector 20 ways
Input output isolation	Isolated

Complementary

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	$40\text{ ppm}/^{\circ}\text{C} \pm 10\text{ V}$ $40\text{ ppm}/^{\circ}\text{C} 0...20\text{ mA}$ $40\text{ ppm}/^{\circ}\text{C} 4...20\text{ mA}$
Recalibration	Factory calibrated
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 $0...20\text{ mA}$ Open circuit $4...20\text{ mA}$ Short circuit $\pm 10\text{ V}$
Load impedance ohmic	$\leq 600\text{ Ohm}$ $0...20\text{ mA}$ $\leq 600\text{ Ohm}$ $4...20\text{ mA}$ $\geq 1000\text{ Ohm} \pm 10\text{ V}$
Output level	High level
Analogue output number	2
Analogue output type	Current $0...20\text{ mA}$ Current $4...20\text{ mA}$ Voltage $\pm 10\text{ V}$
Analogue output resolution	15 bits + sign
Supply	Internal power supply via rack
Conversion time	$\leq 1\text{ ms}$
Maximum conversion value	$0...24\text{ mA}$ $0...20\text{ mA}$ $0...24\text{ mA}$ $4...20\text{ mA}$ $\pm 11.25\text{ V} \pm 10\text{ V} \pm 10\text{ V}$
Fallback mode	Configurable Predefined
Status LED	1 LED green RUN 1 LED per channel green channel diagnostic 1 LED red ERR 1 LED red I/O
Product weight	0.32 lb(US) (0.144 kg)
Current consumption	150 mA at 3.3 V DC 110 mA at 24 V DC

Environment

vibration resistance	3 gn
shock resistance	30 gn
ambient air temperature for storage	$-40...185\text{ }^{\circ}\text{F}$ ($-40...85\text{ }^{\circ}\text{C}$)
ambient air temperature for operation	$32...140\text{ }^{\circ}\text{F}$ ($0...60\text{ }^{\circ}\text{C}$)

relative humidity	5...95 % 55 °C without condensation
IP degree of protection	IP20
product certifications	CE CSA UL RCM Merchant Navy EAC
standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201
protective treatment	TC
operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m (with derating factor)

Offer Sustainability

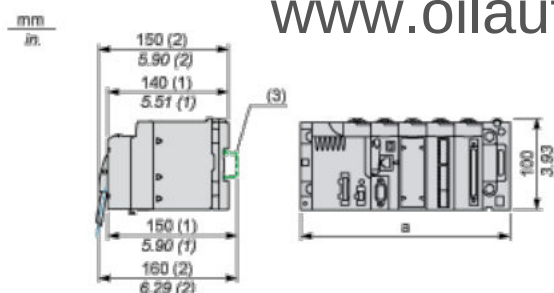
Green Premium product	Green Premium product
Compliant - since 0722 - Schneider Electric declaration of conformity	Compliant - since 0722 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

Contractual warranty

Warranty period	18 months
-----------------	-----------

Modules Mounted on Racks

Dimensions



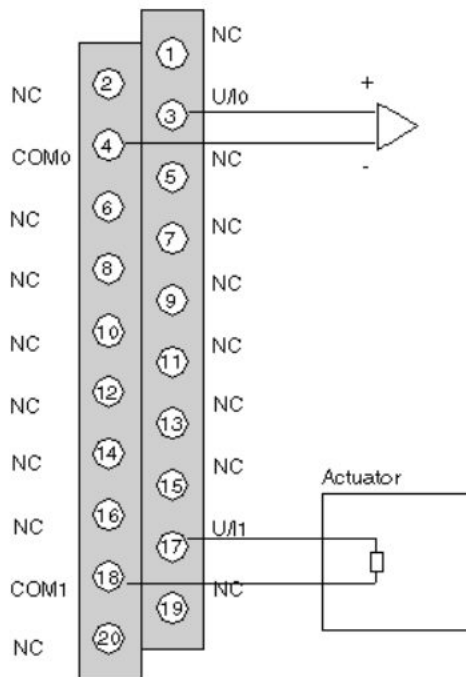
www.oilautotech.com

- (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

Cabling view



U/Ix + pole input for channel x

COMx- pole input for channel x

ChannelVoltage actuator

0

ChannelCurrent actuator

1

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

www.oilautotech.com