Product data sheet

Specifications



discrete mixed IO module, Modicon X80, 8 inputs, 8 outputs, 24V DC positive

BMXDDM16022

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Discrete I/O module
Discrete input number	8

Complementary

Input impedance	6800 Ohm
Response time on output	1.2 ms
Maximum voltage drop	<1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
DC typical response time	4 ms
DC maximum response time	7 ms
Current per channel	0.625 A
Maximum current per module	5 A
Paralleling of outputs	Yes : 2 maximum
Switching frequency	0.5/LI² Hz
Maximum overload time	15 ms
Load impedance ohmic	>= 48 Ohm
Reverse polarity protection	Reverse mounted diode
Current consumption	<= 111 mA 3.3 V DC <= 67 mA 24 V DC
MTBF reliability	450000 H
Protection type	1 external fuse per group of input channel 0.5 A fast blow overvoltage protection on output reverse polarity protection on input reverse polarity protection on output
Voltage detection threshold	< 14 V DC preactuator fault < 14 V DC sensor fault > 18 V DC preactuator OK > 18 V DC sensor OK
Net Weight	0.254 lb(US) (0.115 kg)

Environment

IP Degree of Protection	IP20
Protective treatment	Standard version
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Dielectric strength	1500 V AC 50/60 Hz 1 minute, output/ground 1500 V AC 50/60 Hz 1 minute, output/internal logic 1500 V AC 50/60 Hz 1 minute, primary/secondary 500 V DC 1 minute, between group of inputs and outputs
Relative humidity	5…95 % 131 °F (55 °C) without condensation

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3595863910506
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	4.331 in (11.000 cm)
Package 1 Length	4.606 in (11.700 cm)
Package weight(Lbs)	5.009 oz (142.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	5.490 lb(US) (2.490 kg)

Contractual warranty

Warranty (in months)	18

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	**32 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**18 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**13 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**59505052-8ead-46e6-bc82-9cffb526d03c**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**

Use Again

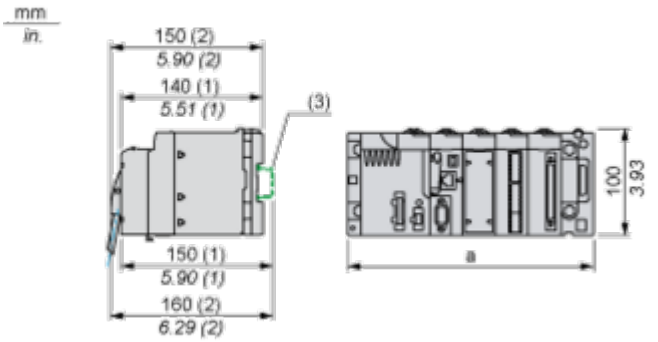
Repack and remanufacture

Recyclability potential, in %	**3**
Circularity Profile	**End of Life Information**
Take-back	**No**

Dimensions Drawings

Modules Mounted on Racks

Dimensions



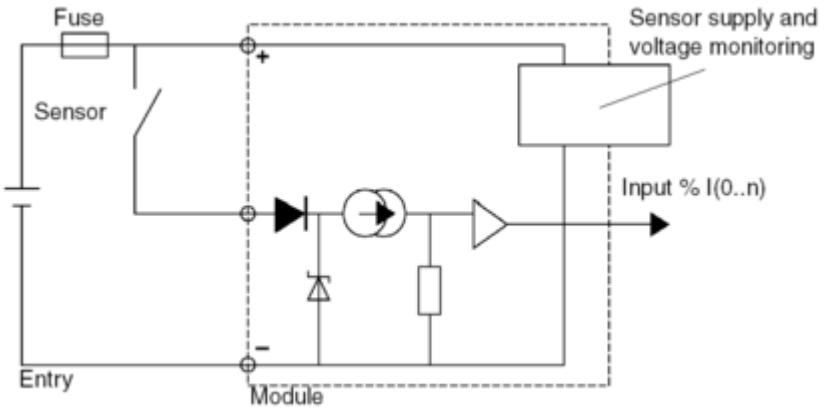
(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

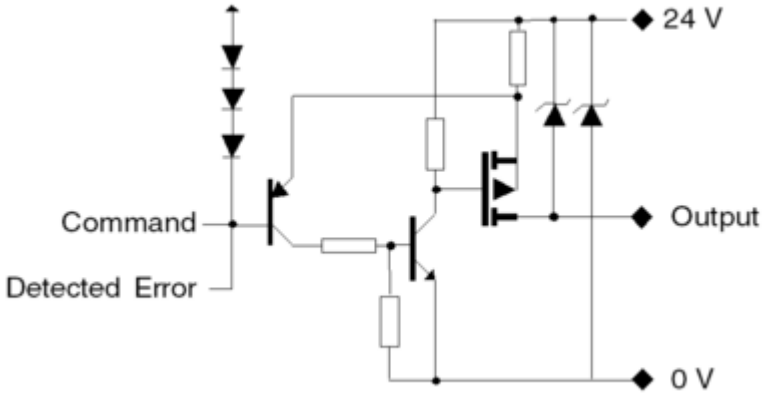
Connections and Schema

Connecting the Module

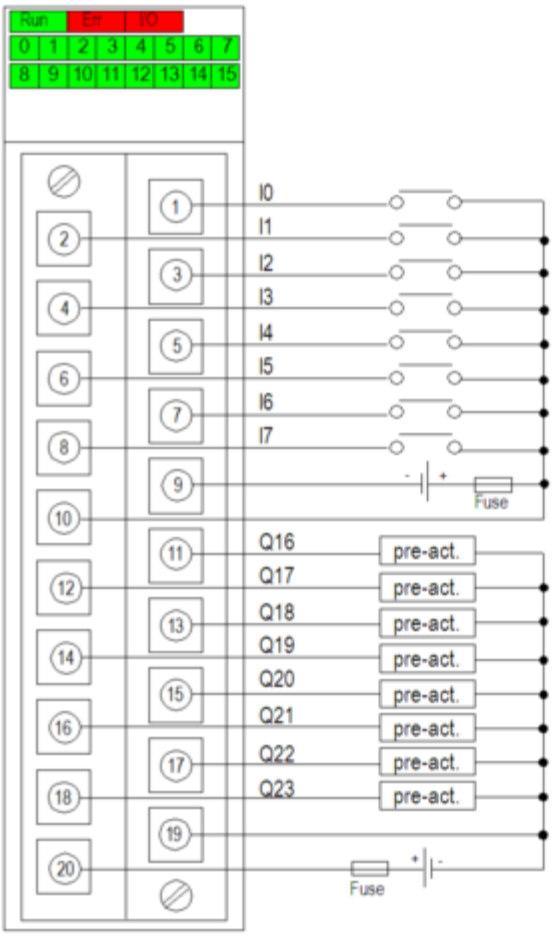
Input Circuit Diagram



Output Circuit Diagram



Module Connection

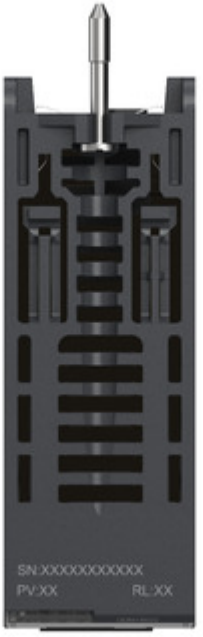


power supply 24 VDC
input fuse fast blow fuse of 0.5 A
output fuse fast blow fuse of 6.3 A
pre-act pre-actuator

Image of product / Alternate images

Alternative












Schneider
Electric
Modicon
BMXDDM16022
DIG 8I 24VDC 8Q SOURCE TR
DOM : XXXX