

# Product data sheet

Specifications



## discrete input module, Modicon X80, 8 inputs, 100 to 120V AC

BMXDAI0814

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

### Main

Range Of Product	Modicon X80
Product Or Component Type	Discrete input module
Discrete Input Number	8
Discrete Input Type	Isolated per channel
Input Type	Capacitive
Discrete Input Voltage	100...120 V AC
Discrete Input Current	5 mA

### Complementary

Input Compatibility	2-wire proximity sensor IEC 60947-5-2 2-wire proximity sensor IEC 61131-2 type 3
Network Frequency	50/60 Hz
Network Frequency Limits	47...63 Hz
Sensor Power Supply	85...132 V
Current State 1 Guaranteed	>= 2.5 mA
Current State 0 Guaranteed	<= 1 mA
Input Impedance	13000 Ohm
Insulation Resistance	> 10 MOhm 500 V DC
Power Dissipation In W	2.35 W
Ac Activation Response Time	10 ms
Ac Deactivation Response Time	20 ms
Typical Current Consumption	61 mA 3.3 V DC
Mtbf Reliability	1500000 H
Protection Type	1 external fuse per channel 0.25 A fast blow
Status Led	1 LED (Green) module operating (RUN) 1 LED per channel (Green) channel diagnostic 1 LED (Red) module error (ERR) 1 LED (Red) module I/O
Net Weight	0.25 lb(US) (0.115 kg)

### Environment

Ip Degree Of Protection	IP20
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	1780 V AC 50/60 Hz 1 min
Vibration Resistance	3 gn
Shock Resistance	30 gn
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
Relative Humidity	5...95 % 131 °F (55 °C) without condensation
Operating Altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor

## Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
Gtin	3595864181516
Returnability	Yes
Country Of Origin	US

## 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	4.72 in (12.000 cm)
Package 1 Weight	5.36 oz (152.000 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	5.60 lb(US) (2.540 kg)

## Sustainability



**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

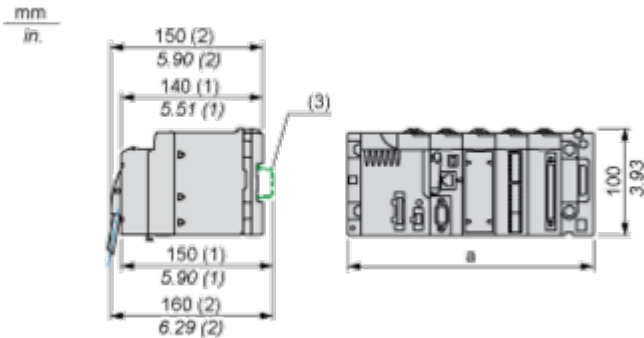
## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Modules Mounted on Racks

Dimensions



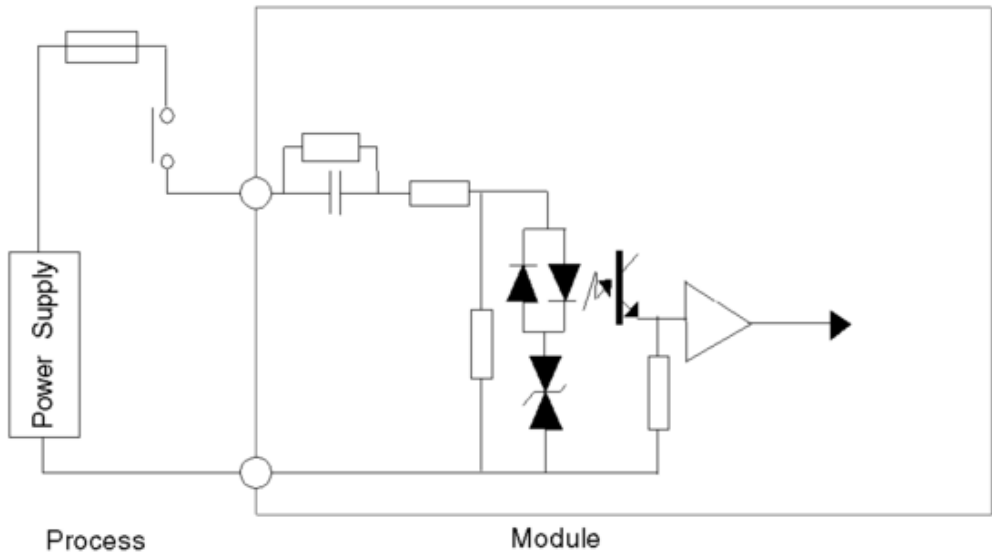
- (1) with removable terminal block (cage, screw or spring)  
(2) with FCN connector  
(3) on AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMEXBP0400/0400H/0800/0800H/1200/1200H rack.

	a (in mm)	a (in in.)
BMEXBP0400 and BMEXBP0400H	242.4	09.54
BMEXBP0800 and BMEXBP0800H	372.8	14.68
BMEXBP1200 and BMEXBP1200H	503.2	19.81

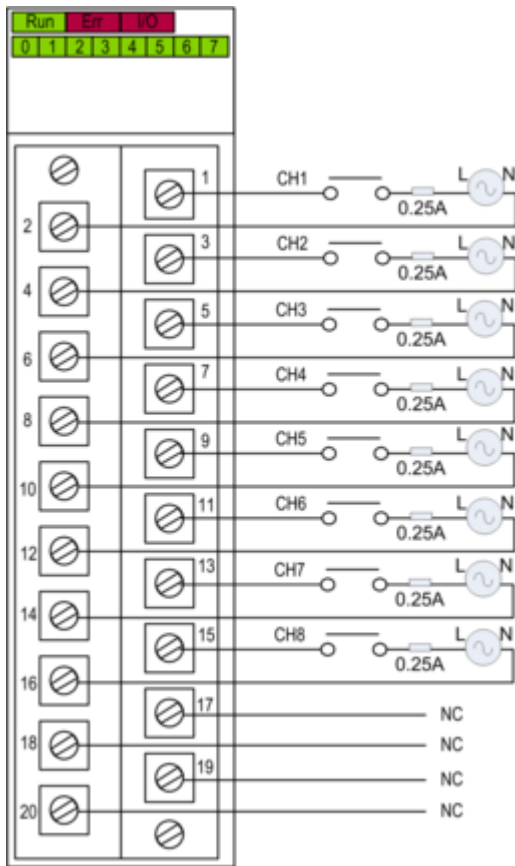
Connections and Schema

Connecting the Module

Input Circuit Diagram



Module Connection



power supply: 100...120 VAC

fuse: fast blow fuse of 0.25A

NC not connected