

Product data sheet

Specifications



discrete input module, Modicon X80, 8 inputs, 200 to 240V AC

BMXDAI0805

Product availability: Non-Stock - Not 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
Input type	Capacitive
Discrete input voltage	200...240 V AC
Discrete input current	10.4 mA

Complementary

Input compatibility	With 2-wire/3-wire proximity sensors IEC 60947-5-2 With 2-wire/3-wire proximity sensors IEC 61131-2 Type 2
Network Frequency	50/60 Hz
Network frequency limits	47...63 Hz
Sensor power supply	170...264 V
Current state 1 guaranteed	>= 6 mA
Current state 0 guaranteed	<= 4 mA
Input impedance	21000 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	4.73 W
AC activation response time	10 ms
AC deactivation response time	20 ms
Typical current consumption	76 mA 3.3 V DC 93.6 mA 24 V DC
Current consumption	<= 126 mA 3.3 V DC <= 154.8 mA 24 V DC
MTBF reliability	1700000 H
Protection type	1 external fuse per group of channel 0.5 A fast blow
Voltage detection threshold	> 164 V AC sensor OK < 80 V AC sensor fault
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
Product Weight	0.26 lb(US) (0.12 kg)

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

Environment

IP Degree of Protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	1500 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	3595864081595
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	4.65 in (11.800 cm)
Package 1 Length	4.65 in (11.800 cm)
Package weight(Lbs)	5.573 oz (158.000 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	5.952 lb(US) (2.700 kg)

Contractual warranty

Warranty	18 months
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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	
Carbon footprint (kg CO2 eq, Total Life cycle)	33
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	REACH Declaration
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

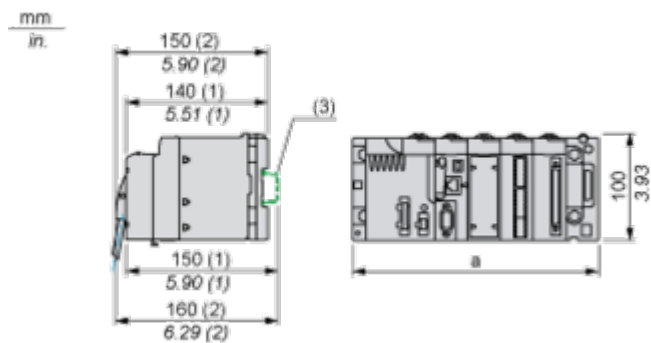
Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Modules Mounted on Racks

Dimensions



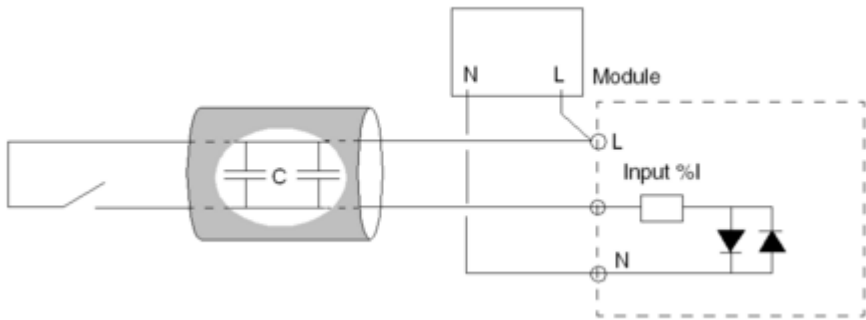
- (1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

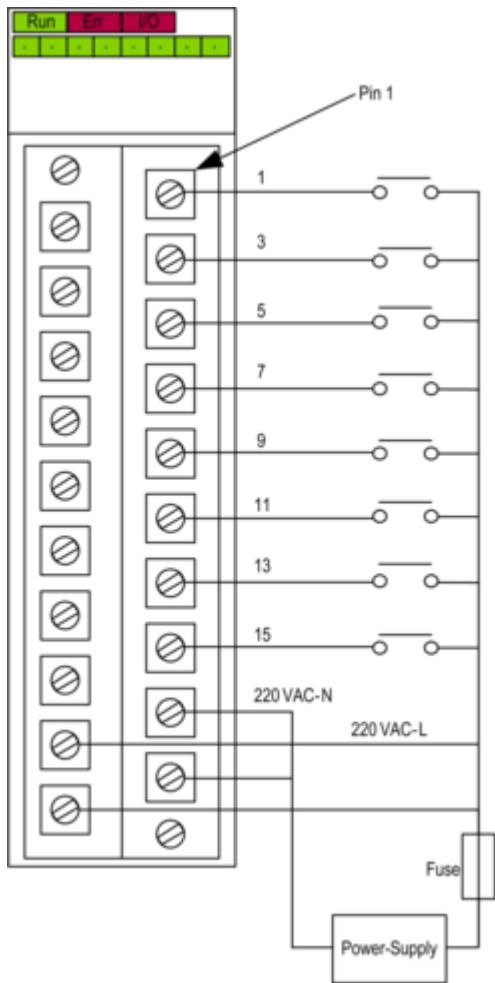
Connections and Schema

Connecting the Module

Input Circuit Diagram



Module Connection



power supply 200...240 VAC

fuse fast blow fuse of 0.5 A

Image of product / Alternate images

Alternative

