

Product data sheet

Characteristics

BMXDAI0805

discrete input module X80 - 8 inputs - 200...240 V AC



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 conforming to IEC 60947-5-2 With 2-wire/3-wire proximity sensors conforming to 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 at 3.3 V DC 93.6 mA at 24 V DC
Current consumption	<= 126 mA at 3.3 V DC <= 154.8 mA at 24 V DC
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
Net weight	0.12 kg

Environment

IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	1500 V AC at 50/60 Hz 1 min
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...60 °C

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Relative humidity	5...95 % at 55 °C without condensation
Operating altitude	0...2000 m 2000...5000 m with derating factor

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	160 g
Package 1 Height	5.5 cm
Package 1 width	11.8 cm
Package 1 Length	11.8 cm
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	2.7 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

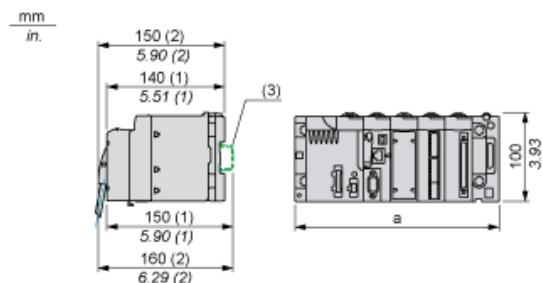
Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental 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

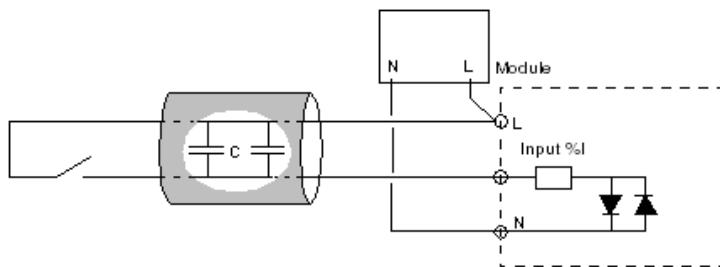


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

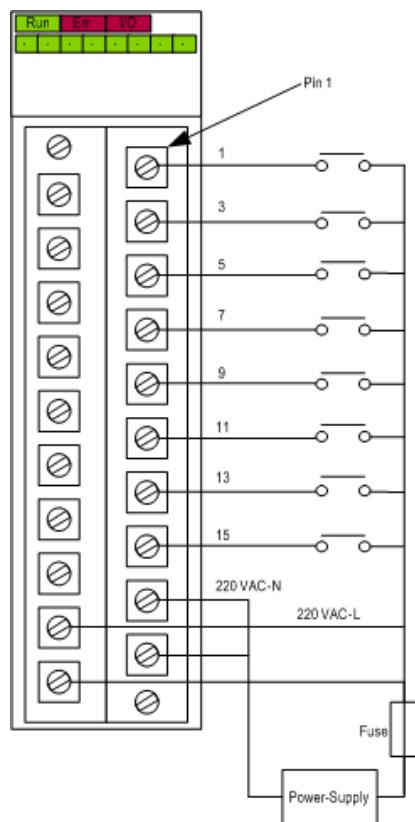
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Input Circuit Diagram



Module Connection



power 200...240 VAC
supply
fuse fast blow fuse of 0.5 A