

# BMXDAI1602H

discrete input module M340 - 16 inputs - 24V AC resistive

Product availability : Stock - Normally stocked in distribution facility



Price\* : 431.00 USD



## Main

Range of product	Modicon X80
Product or component type	Discrete input module
Product specific application	For severe environments
Electrical connection	20-way connector
Discrete input number	16
Discrete input type	Isolated
Input type	Resistive
Discrete input voltage	24 V AC 24 V DC negative
Discrete input current	3 mA
Input compatibility	With 2-wire/3-wire proximity sensors conforming to IEC 60947-5-2

## Complementary

Network frequency	50/60 Hz
Network frequency limits	47...63 Hz
Sensor power supply	20...26 V at 140 °F (60 °C)
Voltage state 1 guaranteed	$\geq 15$ V
Current state 1 guaranteed	$\geq 2$ mA
Voltage state 0 guaranteed	$\leq 5$ V
Current state 0 guaranteed	$\leq 1$ mA
Input impedance	6400 Ohm
Insulation resistance	$> 10$ MOhm 500 V DC
Power dissipation in W	$\leq 3$ W
DC typical filtering time	10 ms
DC maximum filtering time	20 ms
AC activation filtering time	15 ms

AC deactivation filtering time	20 ms
Paralleling of inputs	No
Typical current consumption	90 mA at 3.3 V DC
MTBF reliability	1504958 H
Protection type	1 external fuse per group of channel 0.5 A fast blow
Voltage detection threshold	< 14 V DC sensor fault > 18 V DC sensor OK
Status LED	1 LED green module operating (RUN) 1 LED per channel green channel diagnostic 1 LED red module I/O 1 LED red module error (ERR)
Product weight	0.25 lb(US) (0.115 kg)

## Environment

IP degree of protection	IP20
Product certifications	Merchant Navy RCM CSA CE UL EAC ATEX IEC-Ex
Standards	EN/IEC 61010-2-201 CSA C22.2 No 61010-2-201 EN/IEC 61131-2 UL 61010-2-201
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, primary/secondary
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Relative humidity	5...95 % without condensation 55 °C
Protective treatment	Conformal coating Humiseal 1A33 TC
Environmental characteristic	Corrosion resistance Dust resistant
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m (with derating factor)

## Ordering and shipping details

Category	18160 - MODICON M340
Discount Schedule	PC34
Nbr. of units in pkg.	1
Package weight(Lbs)	0.52000000000000002
Returnability	N
Country of origin	FR

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

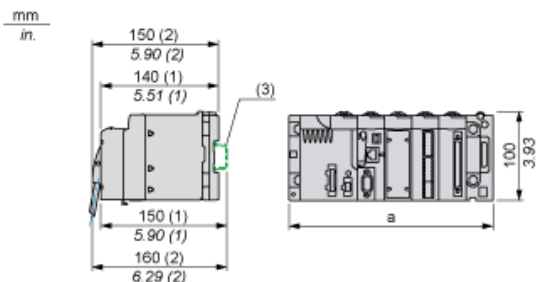
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Warranty period	18 months
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Modules Mounted on Racks

Dimensions

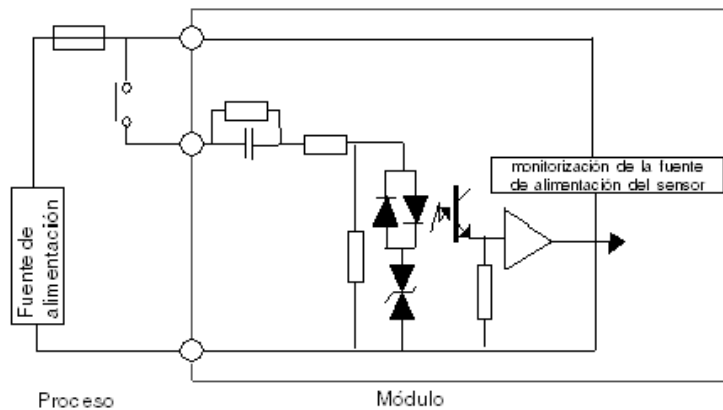


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

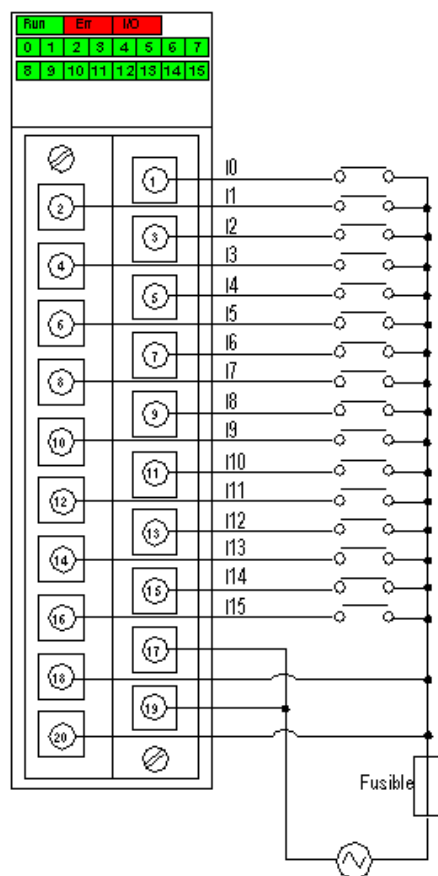
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Input Circuit Diagram

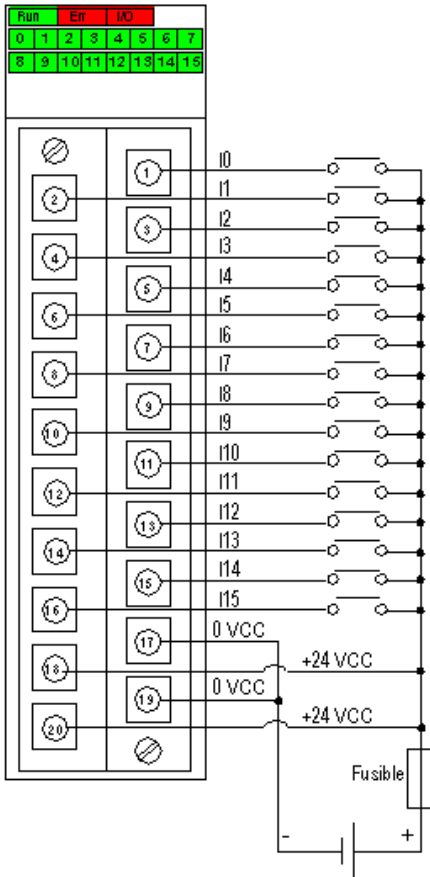


Module Connection (AC Power Supply)

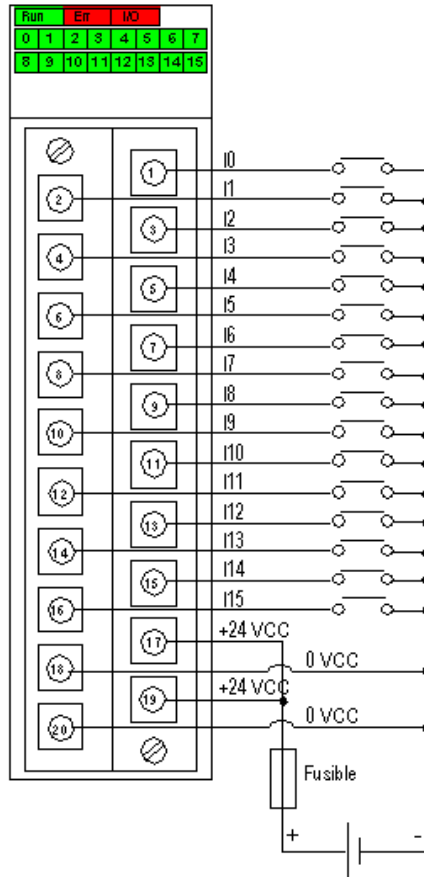


power supply 24VAC  
fuse fast blow fuse of 0.5 A

## Module Connection (DC Power Supply)



**Cableado de lógica positiva**



**Cableado de lógica negativa**

power supply 24VDC  
fuse fast blow fuse of 0.5 A