

BMXDAI1602

discrete input module M340 - 16 inputs - 24 V AC/
DC negative



Main

Range of product	Modicon M340 automation platform
Product or component type	Discrete input module
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
Voltage state 1 guaranteed	≥ 15 V
Current state 1 guaranteed	≥ 2 mA
Voltage state 0 guaranteed	≤ 5 V
Current state 0 guaranteed	≤ 1 mA
Input impedance	6400 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 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 for module operating (RUN) 1 LED per channel green for channel diagnostic 1 LED red for module I/O 1 LED red for module error (ERR)
Product weight	0.115 kg

Environment

IP degree of protection	IP20
Standards	UL 508 CSA C22.2 No 142 NF C 63-850 UL 746C IEC 1131-2 IEC 664
Dielectric strength	1500 V AC at 50/60 Hz 1 minute, primary/secondary
Ambient air temperature for operation	0...60 °C
Relative humidity	10...95 % without condensation
Protective treatment	TC

Offer Sustainability

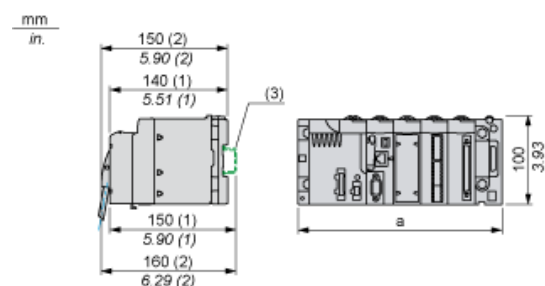
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0722 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details  Go to CaP for more details
Product environmental profile	Available  Product environmental
Product end of life instructions	Available  End of life manual

Contractual warranty

Warranty period	18 months
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Modules Mounted on Racks

Dimensions

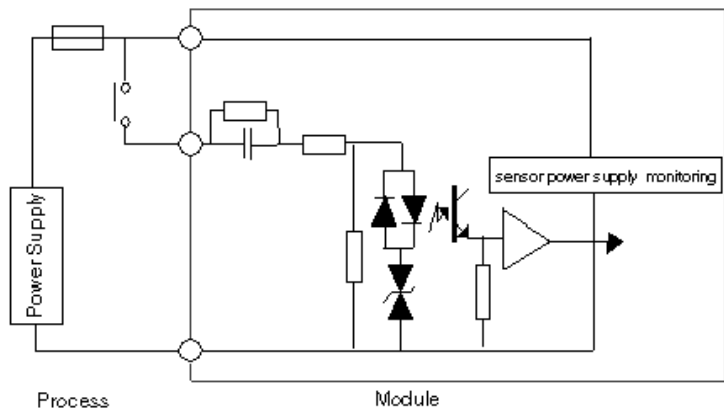


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

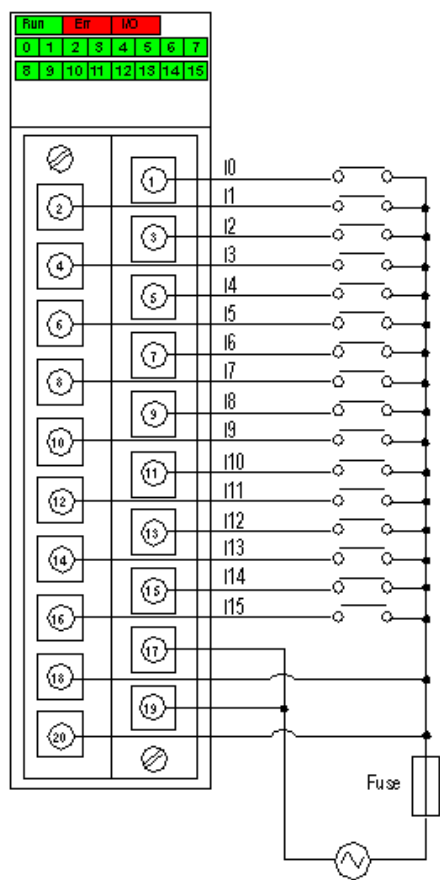
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Input Circuit Diagram

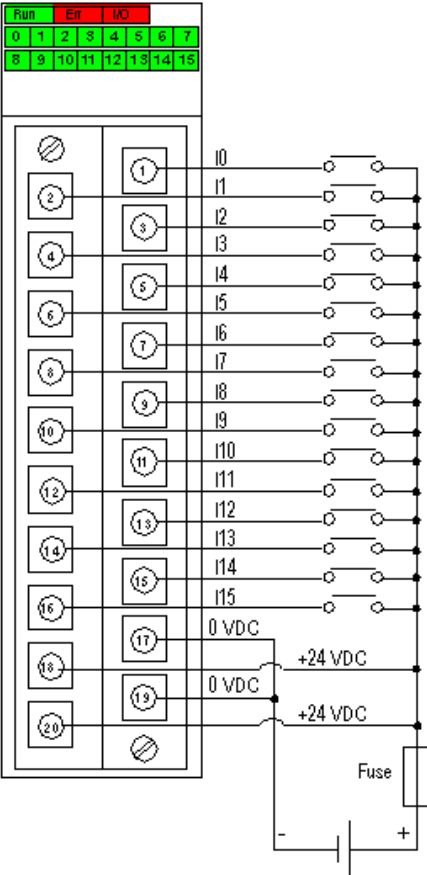


Module Connection (AC Power Supply)

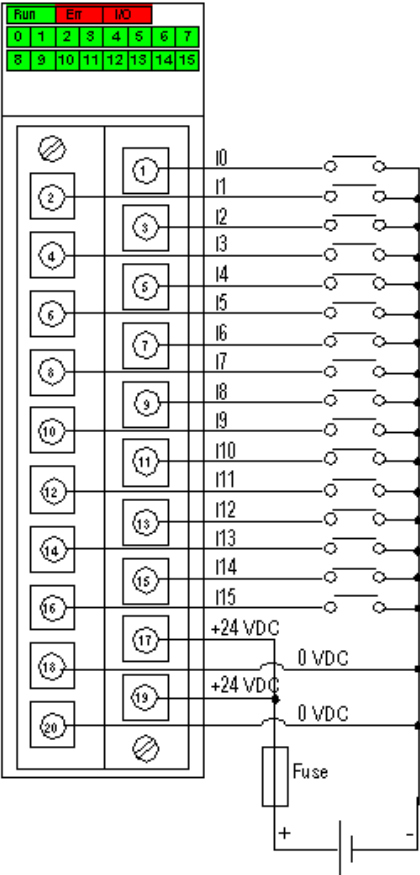


power supply
fuse fast blow fuse of 0.5 A

Module Connection (DC Power Supply)



Positive Logic Wiring



Negative Logic Wiring

power supply
fuse fast blow fuse of 0.5 A