



Main

Range of product	Modicon M340 automation platform
Product or component type	Discrete input module
Electrical connection	40-way connector
Discrete input number	32
Discrete input type	Isolated
Input type	Current sink (logic positive)
Discrete input voltage	24 V DC positive
Discrete input current	2.5 mA
Input compatibility	With 2-wire/3-wire proximity sensors conforming to IEC 60947-5-2

Complementary

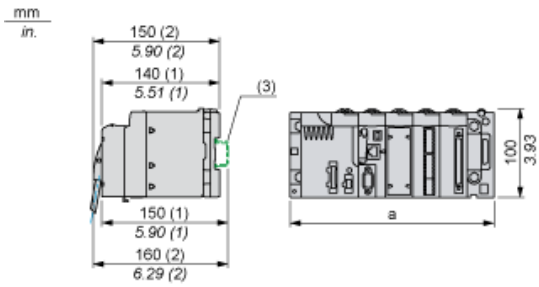
Sensor power supply	19...30 V
Voltage state 1 guaranteed	≥ 11 V
Current state 1 guaranteed	≥ 2 mA
Voltage state 0 guaranteed	≤ 5 V
Current state 0 guaranteed	≤ 1.5 mA
Input impedance	9600 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 3.9 W
DC typical filtering time	4 ms
DC maximum filtering time	7 ms
Paralleling of inputs	No
Typical current consumption	140 mA 3.3 V DC
MTBF reliability	696320 H
Protection type	1 external fuse per group of channel 0.5 A fast blow Reverse polarity protection
Voltage detection threshold	> 18 V DC sensor OK < 14 V DC sensor fault
Status LED	1 LED red module I/O 1 LED red module error (ERR) 1 LED per channel green channel diagnostic 1 LED green module operating (RUN)
Product weight	0.112 kg

Environment

IP degree of protection	IP20
Standards	CSA 22-2 No 142 IEC 1131-2 IEC 664 NF C 63-850 UL 508 UL 746C
Dielectric strength	500 V DC 1 minute, between group of channels 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

Modules Mounted on Racks

Dimensions

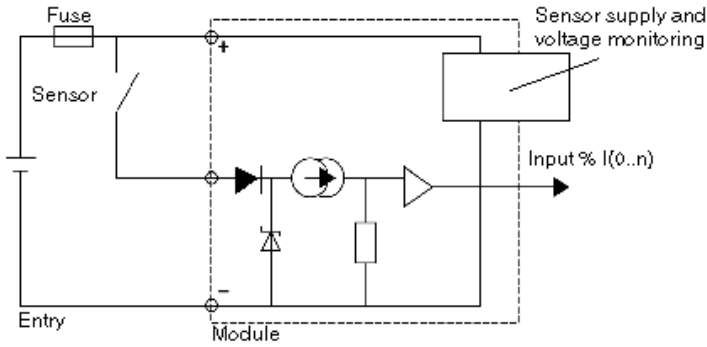


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

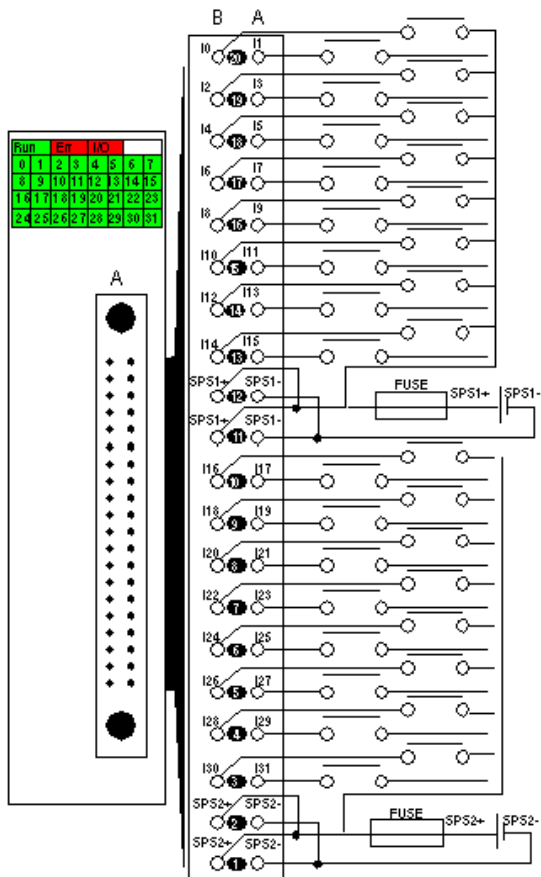
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Input Circuit Diagram



Module Connection



power24 VDC
supply
fuse fast blow fuse of 0.5 A for each 16-channel group
SPS sensor power supply