



Main

Range of product	Modicon M340 automation platform
Product or component type	Discrete input module
Product specific application	Extended temperature
Electrical connection	20-way connector
Discrete input number	16
Discrete input type	Isolated
Input type	Current sink (logic positive)
Discrete input voltage	125 V DC positive
Discrete input current	2.4 mA
Input compatibility	With 2-wire/3-wire proximity sensors conforming to IEC 60947-5-2

Complementary

Sensor power supply	88...150 V
Voltage state 1 guaranteed	≥ 88 V
Current state 1 guaranteed	> 2 mA
Voltage state 0 guaranteed	≤ 36 V
Current state 0 guaranteed	< 0.5 mA
Input impedance	50000 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 8.5 W
DC typical filtering time	5 ms
DC maximum filtering time	9 ms
Response time on output	8...30 ms on appearance
Paralleling of inputs	Yes
Typical current consumption	76 mA at 3.3 V DC
Current consumption	≤ 107 mA at 3.3 V DC
Protection type	1 external fuse per group of channel 0.5 A Reverse polarity protection fast blow
Voltage detection threshold	> 100 V DC sensor OK < 80 V DC sensor fault
Status LED	1 LED red for module I/O 1 LED red for module error (ERR) 1 LED per channel green for channel diagnostic 1 LED green for module operating (RUN)
Product weight	0.115 kg

Environment

IP degree of protection	IP20
Standards	CSA C22.2 No 142 IEC 1131-2 IEC 664 NF C 63-850 UL 508 UL 746C
Dielectric strength	2500 V AC at 50/60 Hz 1 minute, primary/secondary
Ambient air temperature for operation	-25...70 °C
Relative humidity	10...95 % without condensation
Protective treatment	TC

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1013 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental

Modules Mounted on Racks

Dimensions

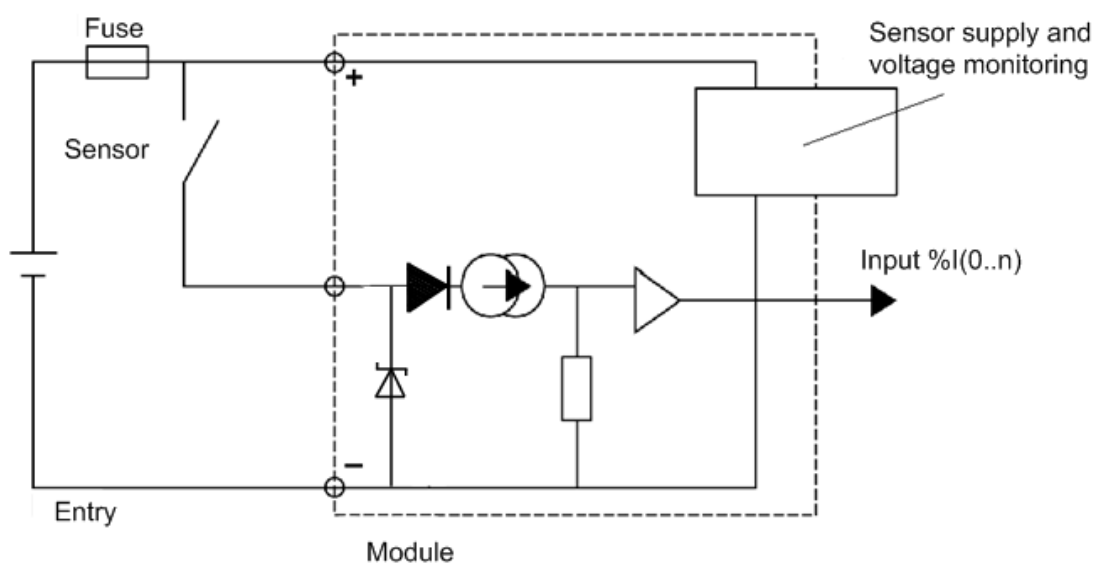


- (1) With removable terminal block (cage, screw or spring).
 (2) With FCN connector.
 (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

