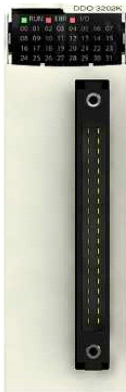


BMXDDI3202K

discrete input module M340 - 32 inputs - 24 V DC positive



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 at 3.3 V DC |
| MTBF reliability | 696320 H |
| Protection type | Reverse polarity protection 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 red for module error (ERR) 1 LED green for module operating (RUN) 1 LED per channel green for channel diagnostic 1 LED red for module I/O |
| Product weight | 0.112 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 | 1500 V AC at 50/60 Hz 1 minute, primary/secondary 500 V DC 1 minute, between group of channels |
| ambient air temperature for operation | 0...60 °C |
| relative humidity | 10...95 % without condensation |
| protective treatment | TC |

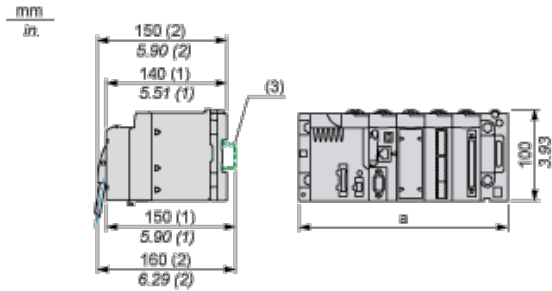
The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This information is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for 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.

Offer Sustainability

| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0722 - Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

Modules Mounted on Racks

Dimensions

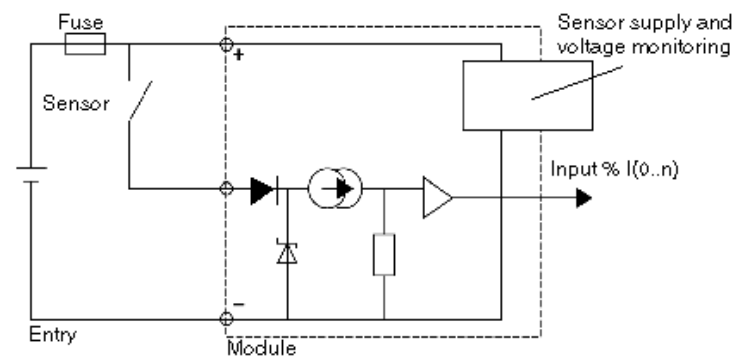


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

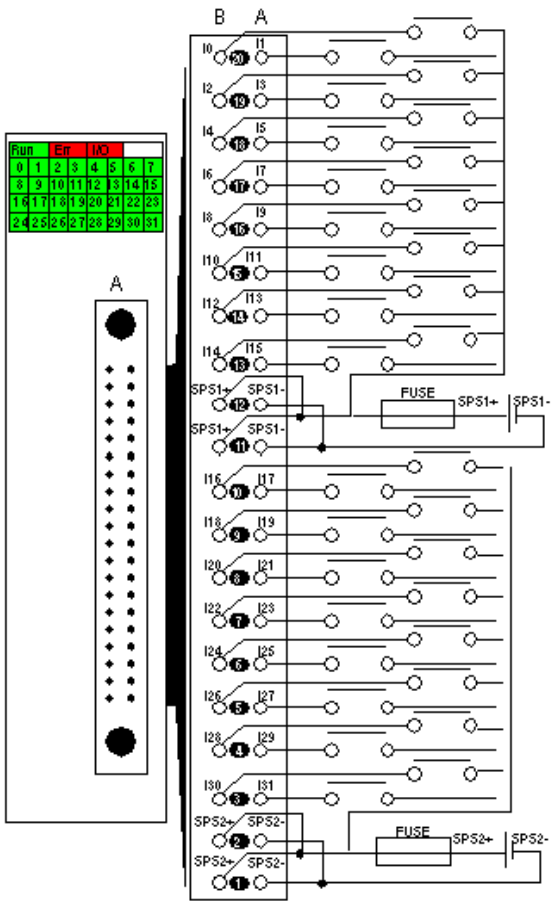
| Rack references | a in mm | a in in. |
|----------------------------|---------|----------|
| BMXXBP0400 and BMXXBP0400H | 242.4 | 09.54 |
| BMXXBP0600 and BMXXBP0600H | 307.6 | 12.11 |
| BMXXBP0800 and BMXXBP0800H | 372.8 | 14.68 |
| BMXXBP1200 and BMXXBP1200H | 503.2 | 19.81 |

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