

BMXDAI1604

discrete input module M340 - 16 inputs - 100..120 V AC



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	Capacitive
Discrete input voltage	100...120 V AC
Discrete input current	5 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	≥ 74 V
Current state 1 guaranteed	≥ 2.5 mA
Voltage state 0 guaranteed	≤ 20 V
Current state 0 guaranteed	≤ 1 mA
Input impedance	13000 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	≤ 3.8 W
AC activation filtering time	10 ms
AC deactivation filtering time	20 ms
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	< 40 V DC sensor fault > 82 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	0.115 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	1500 V AC at 50/60 Hz 1 min
Ambient air temperature for operation	0...60 °C
Relative humidity	10...95 % without condensation
Protective treatment	TC

Offer Sustainability

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation 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.

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0805 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available

Contractual warranty

Period	18 months
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