

Product sheet

Discrete input module 32 channels 24 V DC

Brand: SCHNEIDER

Reference: IMPO BMXDDI3202K



Insulated discrete input module for Modicon X80 systems, with 32 channels of positive logic, compatible with proximity sensors 2/3 cables according to IEC 61131-2 type 1. It works with 24 V DC (range 19-30 V), 9600 input impedance, typical 4 ms input filtering and reverse polarity protection by external fuse of 0.5 A.

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Description

32-channel discrete input module for industrial automation systems, compatible with the Modicon X80 range. Designed to receive digital signals isolated from proximity sensors 2/3 cables, according to IEC 60947-5-2 and IEC 61131-2 type 1.

Technical characteristics

- Number of digital entries: 32
- Type of entry: Current collector (positive logic)
- Input voltage: 24 V DC positive
- Tensions range: 19...30 V
- Discreet input current: 2,5 mA
- Current status 1 guaranteed: ≥ 2 mA
- Current status 0 guaranteed: ≤ 0.5 mA
- Input impedance: 9600 Ohm
- Insulation resistance: > 10 M Ω to 500 V DC
- Typical CC filtering: 4 ms
- Maximum CC filtration: 7 ms
- Parallel entries: No
- Typical current consumption: 121 mA to 3.3 V DC
- Dissipated power: 3.9 W
- MTBF: 696320 h

- Dielectric force: 1500 V AC (50/60 Hz) for 1 minute between primary and secondary; 500 V DC for 1 minute between channel groups
- Vibration resistance: 3 gn
- Shock resistance: 30 gn
- Operating ambient temperature: 0...60 °C
- Storage ambient temperature: -40...85 °C
- Relative humidity: 5...95 % at 55 °C without condensation
- Maximum operating altitude: 0...2000 m (up to 5000 m with reduction)
- Degree of IP protection: IP20
- Status LED: RUN (green), diagnostic channel (green), ERR (red), I/O module (red)
- Weight: 0.112 kg
- Directives: 2014/35/EU (low voltage), 2014/30/EU (EMC)
- According to REACH without SVCC: Yes
- RoHS EU: Proactive (out-of-scope) compliance
- Contains mercury: No
- RoHS exemptions: Yes
- RoHS China Regulations: X
- WEEE: It should be discarded by specific system in the EU

Specifications

EAN	3595863910018
Manufacturer	SCHNEIDER
Range	Industrial
Weight (kg)	0,112
Power (W)	3,9
Protection	IP20
Nominal voltage (V)	24

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