

Product sheet

Module discrete input 16 channels 24 V DC hard environments

Brand: SCHNEIDER

Reference: IMPO BMXDDI1602H



Insulated discrete input module for hard environments, with 16 input channels 24 V DC positive logic, 6800 ★ input impedance, typical filter of 4 ms and maximum 7 ms. Compatible with proximity sensors 2/3 cables according to IEC 61131-2 type 3.

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Description

Insulated discrete input module from the Modicon X80 range, designed for demanding industrial environments. It offers 16 input channels with positive logic, compatible with proximity sensors 2/3 cables according to IEC 61131-2 type 3, operating at 24 V DC positive.

Technical characteristics

- Number of digital entries: 16
- Discreet input: Isolated
- Type of entry: Current collector (positive logic)
- Input voltage: 24 V DC positive
- Discreet input current: 3,5 mA
- Marker phase: With proximity sensors 2/3 cables according to IEC 60947-5-2 and IEC 61131-2, type 3
- Voltage range: 19...30 V (21.1...26.4 V at <70 °C)
- Current status 1 guaranteed: ≥ 2 mA
- Current status 0 guaranteed: ≤ 1.5 mA
- Entry Impedance: 6800 Ohm
- Insulation resistance: > 10 MOhm at 500 V DC
- Dissipated power: 2,5 W
- Typical filter time: 4 ms
- Maximum filter time: 7 ms

- Parallel entries: Yes
- Typical current consumption: 76 mA in 3.3 V DC
- MTBF: 738749 h
- Protection: 1 external fuse per channel group (0.5 A, fast melt), reverse polarity protection
- Test threshold voltage: > 18 V CC toroidal OK
- Status LED: RUN (green), diagnostic channel (green), ERR (red), I/O module (red)
- Weight: 0.115 kg
- Degree of protection: IP20
- Directives: 2014/35/EU (low voltage), 2014/30/EU (EMC)
- Vibration resistance: 3 gn
- Shock resistance: 30 gn
- Operating ambient temperature: -25...70 °C
- Storage temperature: -40...85 °C
- Relative humidity: 5...95 % at 55 °C without condensation
- Protection treatment: Formal coaching
- Maximum operating altitude: 0...2000 m, 2000..5000 m with
- Environmental resistance: Gas Gx, class 3C4; powder 3S4; sand 3S4; salt 2; mold 3B2; fungal spores 3B2
- Dielectric force: 1500 V AC, 50/60 Hz, 1 minute (primary/secondary)
- Product Green Premium, no SVCH, proactive compliance EU RoHS, no mercury, RoHS exemptions applied, no mercury, WEEE: specific recycling in EU

Specifications

Frequency	50/60 Hz
EAN	3595864025605
Manufacturer	SCHNEIDER
Range	Industrial
# Elements	16
Weight (kg)	0,115 kg
Power (W)	2,5 W
Maximum power (W)	2,5 W
Protection	IP20
Rated voltage	24

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