

Product sheet

Discreet input module 16 channels 24 V DC 0-60 °C

Brand: SCHNEIDER

Reference: IMPO BMXDDI1602



Insulated discrete input module for Modicon X80 systems, with 16 digital input current collector type (positive logic), compatible with proximity sensors 2/3 cables according to IEC 61131-2 type 3.

[View product online](#)

Description

M340,16 ED,24vDC (20P) is a discrete input module from the Modicon X80 range, designed to be integrated into industrial automation systems.

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
- Tensions range: 19...30 V
- 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

- Detection threshold voltage: > 18 V DC
- Status LED: RUN (green), diagnostic channel (green), error module (red), I/O module (red)
- Weight: 0.115 kg
- Degree of protection: IP20
- Dielectric force: 1500 V AC, 1 minute (primary/secondary)
- 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 (2000...5000 m with)
- Directives: 2014/35/EU (low voltage), 2014/30/EU (EMC)
- Environmental characteristics: Resistant to Class 3B2 fungal spores
- According to REACH without SVCC: Yes
- EU RoHS Directive: Proactive (out-of-scope) compliance
- No mercury: Yes
- RoHS exemptions: Yes
- RoHS China Regulations: X
- WEEE: Waste according to specific system in EU

Specifications

EAN	3595863910001
Manufacturer	SCHNEIDER
Range	Industrial
# Elements	16
Weight (kg)	0,115 kg
Power (W)	2,5 W
Protection	IP20
Nominal voltage (V)	24 V CC

This document is based on the product page published in our store and is provided for information only. It is not contractual. It may contain errors or omissions and does not replace the manufacturer datasheet.

If you have any questions, [contact our support team](#)

Item downloaded on 13 October 2026