

Product sheet

16-Channel Discrete Output Module 24 V DC

Brand: SCHNEIDER

Reference: IMPO BMXDDO1602H



16-channel discrete output module, solid-state type, positive logic, with output voltage of 24 V DC (19–30 V), maximum current per channel of 0.5 A, and response time of 1.2 ms. Designed for demanding industrial environments, includes protection against short circuits, overloads, and reverse polarity. Resistant to vibrations up to 3 gn and shocks up to 30 gn, with IP20 protection rating and operation in temperature range of -25 to 70 °C.

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Description

16-channel discrete output module, solid-state type, positive logic, designed for demanding industrial environments. Compatible with EN/IEC 61131-2 standards, enables control of digital signals in automated applications with high reliability under adverse conditions.

Technical Features

- Number of discrete outputs: 16 according to EN/IEC 61131-2
- Digital output type: Solid-state
- Discrete output logic: Positive logic
- Output voltage: 24 V DC (19...30 V DC)
- Digital output current: 0.5 A
- Mounting: 0.625 A
- Current per module: 10 A
- Door contact: 0.5 mA in state 0
- Maximum voltage drop: <1.2 V in state 1
- Insulation resistance: > 10 MΩ at 500 V DC
- Power dissipation: 4 W
- Output response time: 1.2 ms

- Output parallelization: Yes (up to 2)
- Typical current consumption: 79 mA at 3.3 V DC
- MTBF: 392285 h
- Protection: Reverse polarity, short circuits, overloads, overvoltage
- Threshold detection voltage: > 18 V DC in state 0
- Maximum tungsten load: 6 W
- Switching frequency: 0.5/LI² Hz
- Load impedance: > 48 Ω
- LED indicators: RUN (green), channel diagnosis (green), ERR (red), module I/O (red)
- Weight: 0.12 kg
- Protection rating: IP20
- Directives: 2014/35/EU (Low Voltage), 2014/30/EU (EMC)
- Vibration resistance: 3 gn
- Shock resistance: 30 gn
- Operating temperature: -25...70 °C
- Storage temperature: -40...85 °C
- Relative humidity: 5...95 % at 55 °C without condensation
- Protective coating: Conformal coating
- Maximum operating altitude: 0...2000 m (2000...5000 m with)
- Environmental characteristics: Gas Gx, 3C4, 3S4, 3S4, Sal 2, 3B2, 3B2
- Dielectric strength: 1500 V AC (50/60 Hz, 1 min) output-to-ground and output-to-internal logic
- Green Premium product
- Compliant with REACH without SVHC
- RoHS EU: Proactive compliance (outside scope)
- Mercury-free
- RoHS exemptions: Yes
- WEEE: Disposal through specific systems in the EU

Specifications

Frequency	50/60 Hz
EAN	3595864025766
Manufacturer	SCHNEIDER
Range	Industrial
Intensity	10
# Elements	16
Weight (kg)	0,12 kg
Power (W)	4 W
Protection	IP20
Nominal voltage (V)	24 V

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