

Product sheet

2-channel counting module 60 kHz

Brand: SCHNEIDER

Reference: IMPO BMXEHC0200



Modicon M340 platform counting module with 2 channels, counting capacity up to 60 kHz, input for proximity sensors 2/3 cables and incremental encoders. Push-pull outputs with 24 V DC voltage, positive/negative configurable logic. It supports counting, time and relation measurement functions, with integrated protection against overloads and short circuits.

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Description

Counting module for the Modicon M340 automatic platform, designed to manage two input channels with a maximum counting frequency of up to 60 kHz. Compatible with 2 or 3 cable proximity sensors and incremental encoders. The outputs are push-pull type with 24 V DC voltage and positive or negative configurable logic.

Technical characteristics

- Number of channels: 2
- Maximum counting frequency: 60000 Hz
- Number of Entries: 6
- Input voltage: 24 V DC type 3
- Number of exits: 2
- Output voltage: 24 V DC
- Counter functions: Counting (module), loop, width modulation, countdown, period measurement, relationship, events, 32-bit counter, frequency meter
- Cycle time: 1 ms
- Overload protection: Integrated
- Short circuit protection: 1.5 A integrated
- Inrush current: 2 mA to 11 V
- Voltage status 1 guaranteed: 11...30 V

- Current status 1 guaranteed: ≥ 6 mA
- Voltage status 0 guaranteed: < 5 V
- Current status 0 guaranteed: ≤ 1.5 mA
- Logic of discrete output: Configurable (positive or negative)
- Maximum output intensity: 2 A per module (0.5 A per output)
- Maximum load current: 1 A per module (0.5 A per output)
- Maximum voltage drop: < 3 V in state 1
- Overlay time: 0.2 ms
- Connections: 1 connector of 10 pines (auxiliary input and sensor power), 2 connectors of 16 pines (meter sensors 0 and 1)
- Current consumption: 200 mA in 3.3 V DC bar, 40 mA in 24 V DC frame, 80 mA in 24 V DC sensor
- Operating ambient temperature: 0...60 °C
- Relative humidity: 10...95 % without condensation
- Degree of IP protection: IP20
- Directives: 2014/35/EU (low voltage), 2014/30/EU (EMC)
- Protection treatment: TC
- Sustainable supply status: Product Green Premium
- 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: To be discarded by specific system in the EU

Specifications

Rated current (A)	24
Width	60 mm
EAN	3595863910148
Manufacturer	SCHNEIDER
Long	100 mm
Measures	100 x 60 x 40 mm
# Elements	2
Weight (kg)	0.5
Depth	40 mm
Protection	IP20
Nominal voltage (V)	24

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