

Bảng thông số sản phẩm

Thông số kỹ thuật



Modicon MC80, Controller, 8 DI, 12 DO, 2 HSC, 4 AI

BMKC8030311

Main

Range Of Product	Modicon MC80
Product Or Component Type	Processor module
Product Specific Application	Thermo solar - tower power

Complementary

Product Compatibility	BMXFTB28... terminal block high-speed counter module BMXFTB20... terminal block analog input module BMXFTB28... terminal block discrete I/O module
[Us] Rated Supply Voltage	24 V - 15...20 % DC
Current Consumption	<= 700 mA
Isolation Voltage	1500 V DC
Memory Description	Internal RAM 3840 kB Internal RAM 128 kB data Internal RAM 3590 kB program constants and symbols
Execution Time Per Instruction	0.06 µs Boolean 0.08 µs mixed
Realtime Clock	With
Function Available	Memory retention without battery
Communication Port Protocol	1 non isolated serial link, connector type: RJ45, communication port: RS485/RS232, transmission rate: 0.3...19.2 kbit/s for connecting 247 devices 1 CANopen, connector type: SUB-D 9, transmission rate: 20 kbit/s...1 Mbit/s for connecting 16 devices 2 Ethernet, connector type: RJ45, transmission rate: 10/100 Mbit/s
Integrated Connection Type	USB port: mini B USB connector
Port Ethernet	10BASE-T/100BASE-TX
Bus Length	0...10 m serial link non isolated 0...15 m serial link non isolated 0...1000 m serial link isolated with external isolation tap 0...20 m, transmission rate: 1 Mbit/s, communication port: CANopen 0...2500 m, transmission rate: 20 kbit/s, communication port: CANopen 0...100 m, communication port: Ethernet
Communication Service	Read/write variables for Modbus Diagnostics for Modbus Send/receive character string for character mode Process Data Object (PDO) for CANopen Service Data Object (SDO) for CANopen FDR client for Ethernet SNMP for Ethernet RSTP support for Ethernet
Number Of Counter	2
Maximum Counting Frequency	60000 Hz

Miễn trừ trách nhiệm: Tài liệu này không nhằm thay thế và không được sử dụng để xác định tính phù hợp hoặc độ tin cậy của các sản phẩm này cho các ứng dụng người dùng cụ thể

Counter Functions	Count events Frequency meter Ratio count One shot counting Measure time periods Freelarge counting Loop (modulo) counting
Number Of Inputs For Counter	3 auxiliary 3 high speed
Logic Input For Counter	Positive (sink)
Sensor Power Supply For Counter	19...30 V DC
Input Compatibility For Counter	24 V 2-wire/3-wire proximity sensor incremental encoder with push-pull outputs, 10...30 V totem pole 24 V 2/3-wire sensor PNP
Number Of Outputs For Counter	2 positive
Nominal Output Current For Counter	0.5 A per output
Discrete Input Number	8 positive logic (sink)
Discrete Input Type	Type 3
Discrete Input Current	2.4 mA
Discrete Input Voltage	19...30 V DC
Discrete Output Number	12 positive
Discrete Output Current	2 A per output 10 A per module
Discrete Output Voltage	19...30 V DC
Protection Type	Overload protection for output Short-circuit protection for output
Analogue Input Number	4
Analogue Input Type	Current, input range: - 20...20 mA Voltage, input range: - 10...10 V
Fast Read Cycle Time For Analogue Input	1.3 ms + 1.3 ms x number of channels used
Nominal Read Cycle Time For Analogue Input	6.5 ms for 4 channels
Analogue Input Resolution	16 bits

Environment

Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-40...85 °C
Relative Humidity	0...95 %
Vibration Resistance	3 gn
Marking	CE
Standards	UL 508 CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B
Product Certifications	RCM

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.4 cm
Package 1 Width	11.8 cm
Package 1 Length	27.2 cm
Package 1 Weight	1.29 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.45 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	48
Package 3 Height	80 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	74.6 kg

Bền vững

Nhãn **Green Premium™** là cam kết của Schneider Electric trong việc cung cấp sản phẩm với hiệu suất môi trường tốt nhất. Green Premium cam kết tuân thủ các quy định mới nhất, minh bạch về tác động môi trường, cũng như các sản phẩm tuần hoàn và CO₂ thấp.

Hướng dẫn đánh giá tính bền vững của sản phẩm là tài liệu kỹ thuật phổ thông giúp làm rõ các tiêu chuẩn nhãn sinh thái toàn cầu và cách diễn giải việc khai báo môi trường.

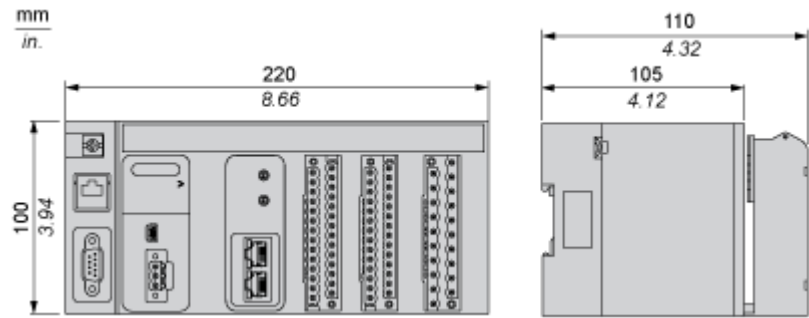
[Tìm hiểu thêm về Green Premium >](#)

[Hướng dẫn đánh giá về sự bền vững của sản phẩm >](#)

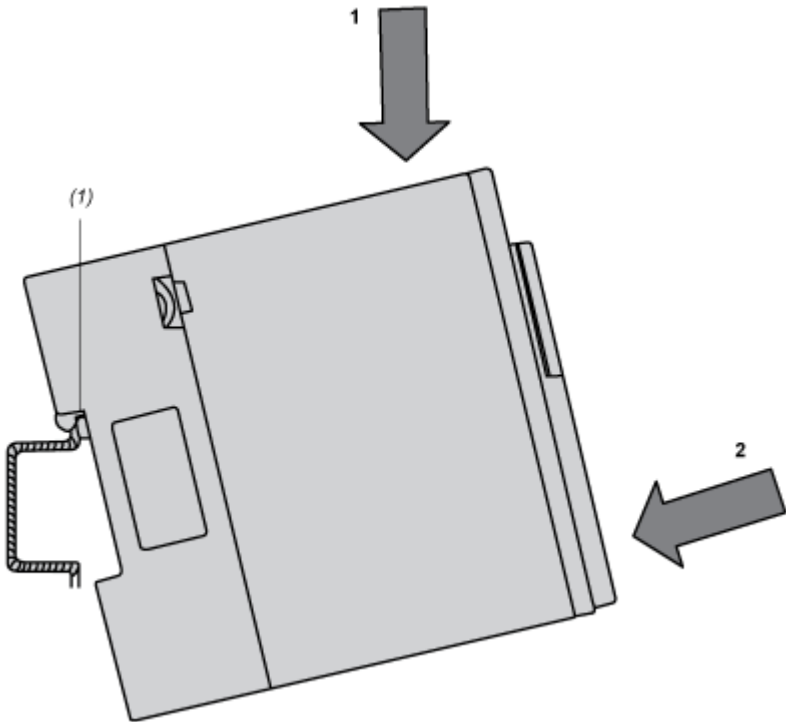
Hiệu suất sức khỏe

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

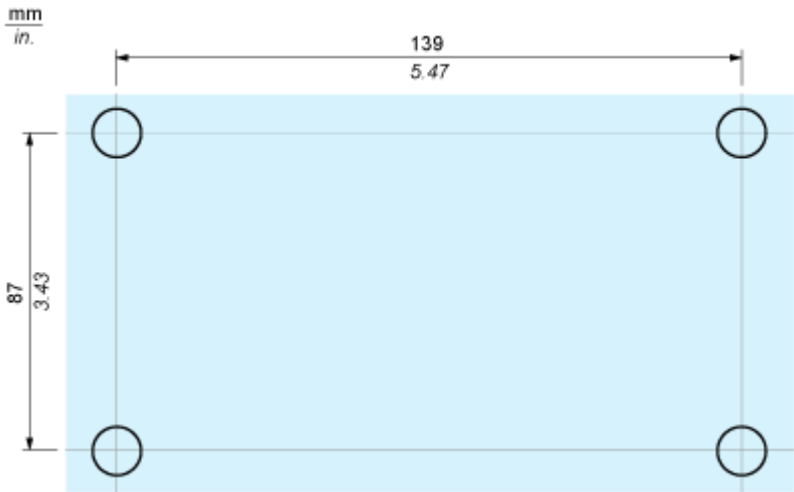
Dimensions



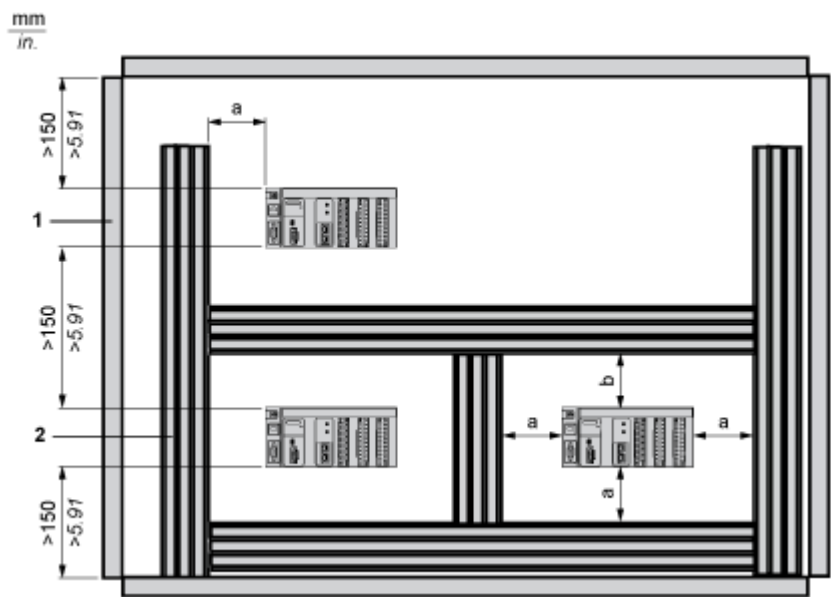
Mounting on DIN Rails



Mounting on Panels

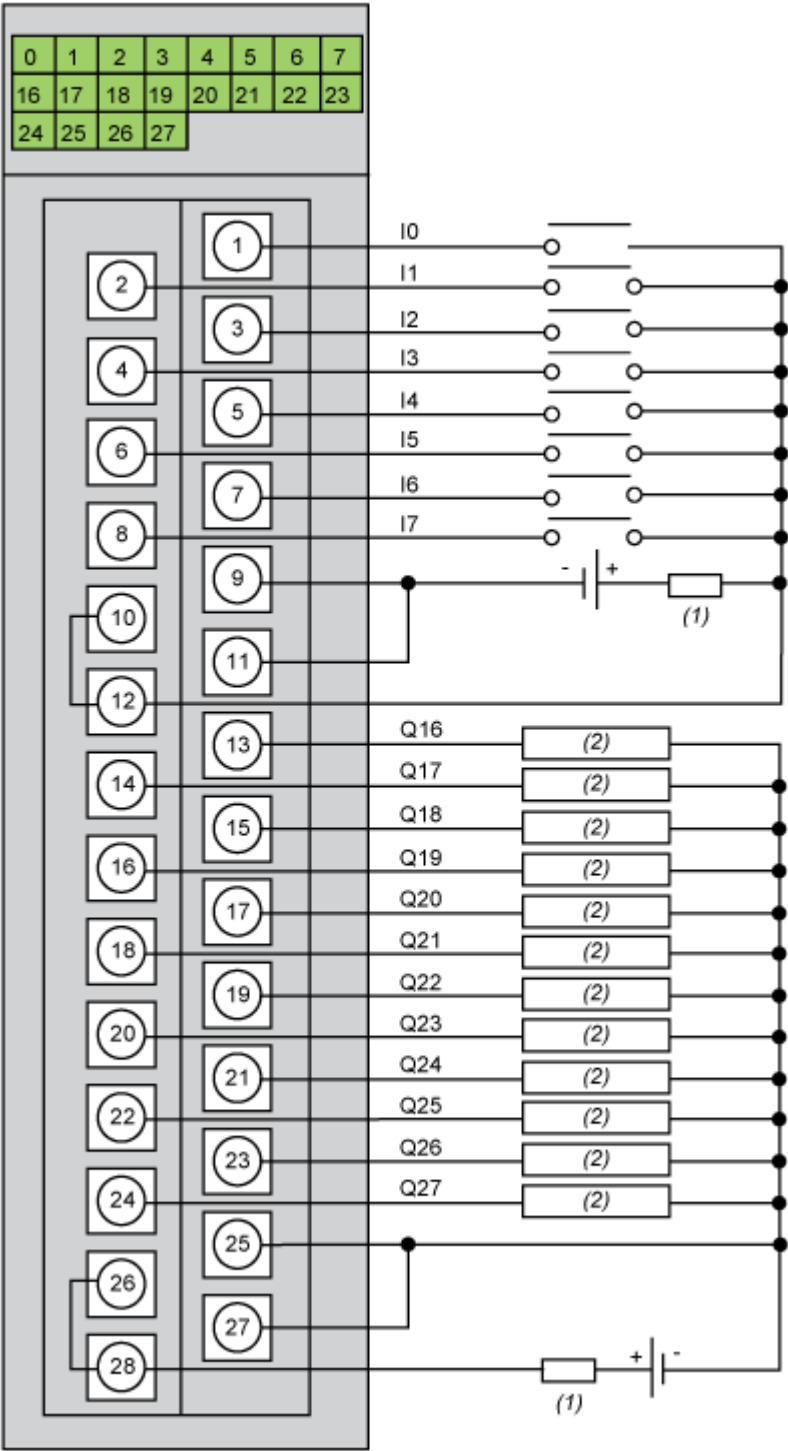


Clearance



- a : Greater than or equal to 60 mm (2.36 inch)
- b : Greater than or equal to 80 mm (3.15 inch)
- 1 : Installation or casing
- 2 : Wiring duct or tray

Discrete I/O Connection



(1) : Fuse

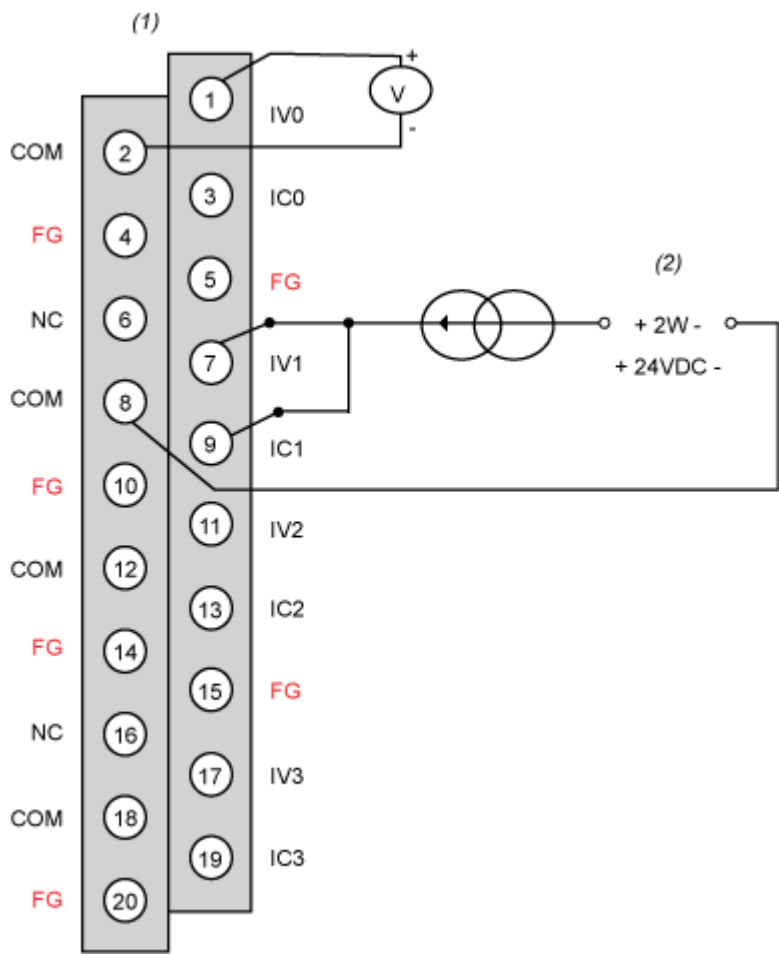
(2) : Pre-actuator

Power supply: 24 Vdc

Input fuse: fast blow fuse of 0.5 A

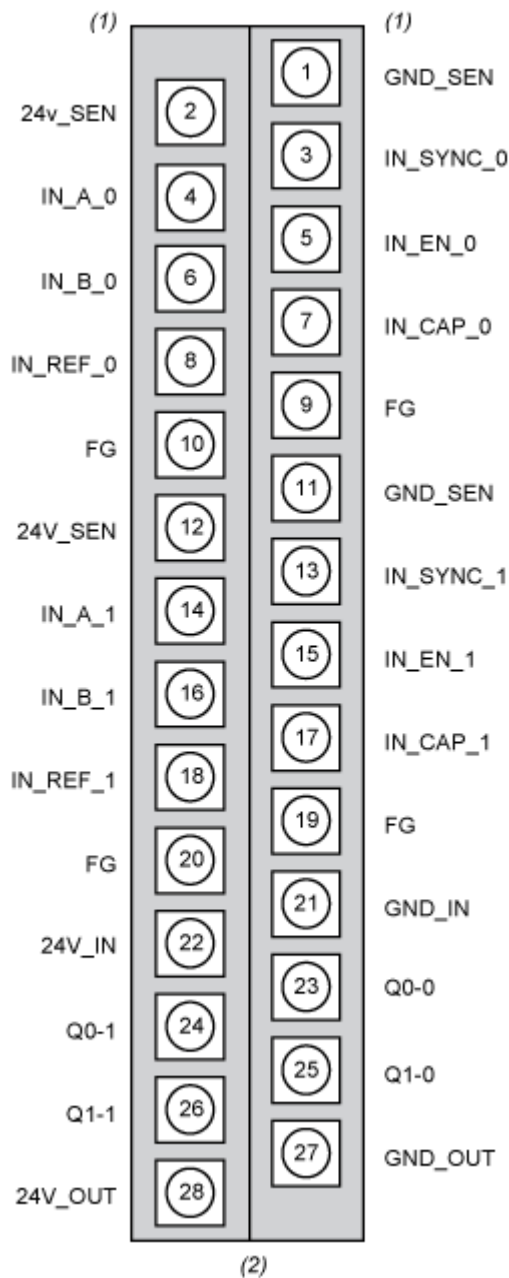
Output fuse: fast blow fuse of 12 A

Analog Input Connection



- (1) : Cabling view
- (2) : Loopsupply
- COM : Common pin for each channel
- IVx : Pole input for channel x
- ICx: Current reading resistor + input
- FG: Functional ground

High Speed Counter Connection



- (1) : Symbol
- (2) : 28-pin Connector

Pin Number	Symbol	Description
2,12	24V_SEN	24 Vdc output for sensors supply
1,11	GND_SEN	24 Vdc output for sensors supply
9,10,19,20	FG	Functional ground
4,14	IN_A_0 IN_A_1	Input A

Pin Number	Symbol	Description
6,16	IN_B_0 IN_B_1	Input B
3,13	IN_SYNC_0 IN_SYNC_1	Synchronization input
5,15	IN_EN_0 IN_EN_1	Enable input
8,18	IN_REF_0 IN_REF_1	Homing input
7,17	IN_CAP_0 IN_CAP_1	Capture input
22	24V_IN	24 Vdc input for sensors supply
21	GND_IN	24 Vdc input for sensors supply
23	Q0-0	Q0 output for counting channel 0
24	Q0-1	Q1 output for counting channel 0
25	Q1-0	Q0 output for counting channel 1
26	Q1-1	Q1 output for counting channel 1
28	24V_OUT	24 Vdc input for actuators supply
27	GND_OUT	24 Vdc input for actuators supply