



### Main

Range of product	Modicon Quantum automation platform
Product or component type	High-speed counter module
Number of channels	5

### Complementary

Number of inputs	8
Addressing requirement	12 output words 12 input words
Data format	2147483647 dec 32 bits 65535 dec 16 bits
Counting input voltage	30 V DC max
Counting input current	7 mA
Counting input type	Discrete incremental counter
Counting frequency	100000 Hz
Duty cycle	1/1 counter input
Discrete input current	5 mA
Operating threshold	15...30 V single ended mode 24 V REF DC at state on 3...5 V single ended mode 24 V REF DC at state off
Discrete output number	8
Discrete output type	Field Effect Transistor (FET)
Discrete output voltage	0 V switch off DC 20...30 V switch on DC
Load current	0.21 A
Maximum leakage current	0.1 mA state off
Maximum voltage drop	<1.25 V state on
Isolation between channels and bus	500 Vrms for 60 s
Fault type	Loss of output field power
Output short-circuit protection	Internal
Power dissipation	>= 6 W
Bus current requirement	250 mA
External power requirement	19.2...30 V
Rack type	Local Distributed Remote
Local signalling	5 LEDs for channel status
Marking	CE
Current consumption	<= 1140 mA at 24 V DC external power supply
Module format	Standard

## Environment

Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m
Standards	UL 508
Product certifications	RINA[RETURN]UL[RETURN]GOST[RETURN]LR[RETURN]CSA Class 1 Division 2[RETURN]RRS[RETURN]ABS[RETURN]JGL[RETURN]DNV[RETURN]C-Tick

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.6 cm
Package 1 Width	16.0 cm
Package 1 Length	31.0 cm
Package 1 Weight	520.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.081 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
----------	-----------

## Racks for Modules Mounting

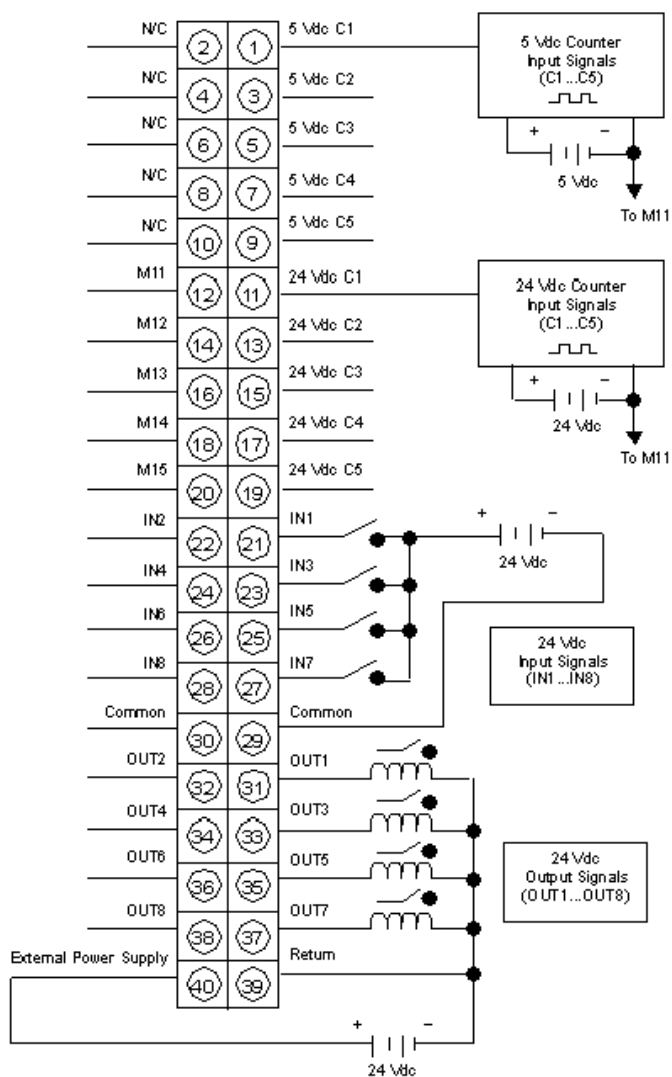
### Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

## Five-Channel Discrete High Speed Counter

### Wiring Diagram



N/C Not Connected

Terminals 29 and 30 are jumpered together.