



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 input words 12 output words
Data format	65535 dec 16 bits 2147483647 dec 32 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	3...5 V single ended mode 24 V REF DC at state off 15...30 V single ended mode 24 V REF DC at state on
Discrete output number	8
Discrete output type	Field Effect Transistor (FET)
Discrete output voltage	20...30 V switch on DC 0 V switch off DC
Load current	0.21 A
Leakage current	<= 0.1 mA state off
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	Distributed Local Remote
Local signalling	5 LEDs channel status
Marking	CE
Current consumption	<= 1140 mA 24 V DC external power supply
Module format	Standard

Environment

Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact 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	ABS CSA Class 1 Division 2 C-Tick DNV GL GOST LR RINA RRS UL

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0926 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Racks for Modules Mounting

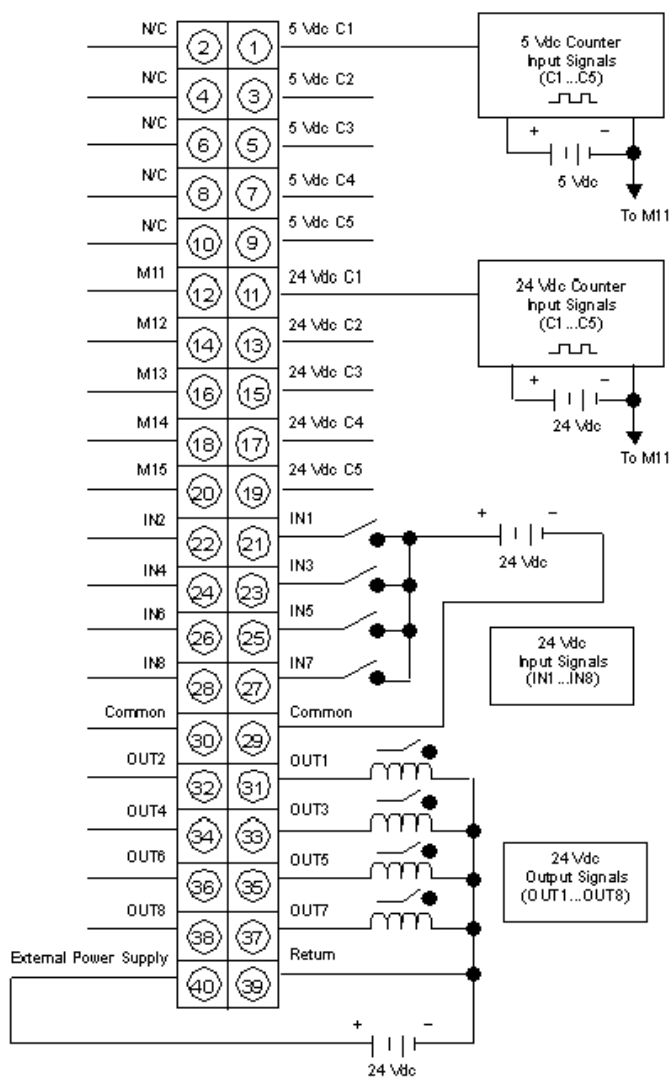
Dimensions of Modules and Racks



- (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.