Product datasheet

Specifications





Modicon Quantum - high-speed counter module - 8 I - 100000 Hz

Local distributor code:

395516458 140EHC10500

! To be discontinued on: 31 Dec 2030

! To be end-of-service on: 31 Dec 2030

! Discontinued - Service only

EAN Code: 3595861000124

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	1530 V single ended mode 24 V REF DC at state on 35 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 2030 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	19.230 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 801000 MHz conforming to IEC 801-3	
Ambient Air Temperature For Operation	000 °C	
Ambient Air Temperature For Storage	-4085 °C	
Relative Humidity	95 % without condensation	
Operating Altitude	<= 5000 m	
Standards	UL 508	
Product Certifications	RINA UL GOST LR CSA Class 1 Division 2 RRS ABS GL DNV 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

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

Well-being performance

②	Reach Free Of Svhc	
Ø	Mercury Free	
Ø	Rohs Exemption Information	Yes

Certifications & Standards

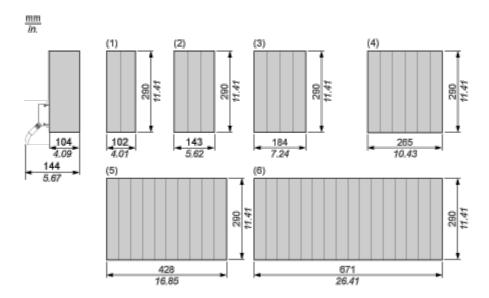
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life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

140EHC10500

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

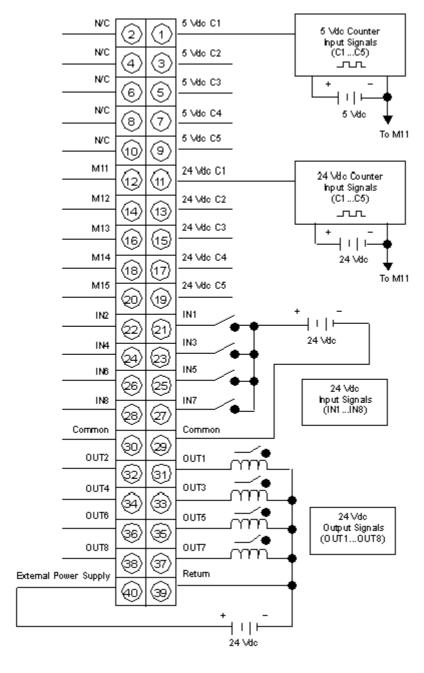


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Five-Channel Discrete High Speed Counter

Wiring Diagram



N/C Not Connected

Terminals 29 and 30 are jumpered together.