

Product data sheet

Specifications



discrete input module Modicon Quantum - 32 I - 5 V DC

140DDI15310

⚠ Discontinued on: Dec 31, 2022

⚠ To be end-of-service on: Dec 31, 2030

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Low voltage dc discrete input modules
Discrete Input Number	32

Complementary

Group Of Channels	4
Logic Input	Negative (source)
Discrete Input Voltage	5 V TTL DC
Input Voltage Limits	4.5...5.5 V
Voltage State 1 Guaranteed	0.8 V DC
Voltage State 0 Guaranteed	>= 4 V DC at 5.5 V supply voltage
Current State 1 Guaranteed	4 mA
Addressing Requirement	2 input words
Input Impedance	7500 Ohm
Maximum Leakage Current	200 mA at Us = 5.5 V and Uin = 4 V
Absolute Maximum Input	15 V during 1.3 ms decaying pulse 5.5 V continuous
Response Time	<= 250 µs from state 0 to state 1 <= 500 µs from state 1 to state 0
Protection Type	Input protection
Power Dissipation	5 W
Isolation Between Group And Bus	1780 Vrms for 1 minute
Isolation Between Group	500 Vrms for 1 minute
Local Signalling	for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 32 LEDs (green)
Marking	CE
Bus Current Requirement	170 mA
Module Format	Standard
Net Weight	0.99 lb(US) (0.45 kg)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	CSA C22.2 No 142 UL 508
Product Certifications	GOST FM Class 1 Division 2 cUL
Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80...2000 MHz IEC 801-3
Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Relative Humidity	95 % without condensation
Operating Altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC2118155
Discount Schedule	PC21
Gtin	3595861133037
Returnability	No
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.42 in (16.3 cm)
Package 1 Width	1.77 in (4.5 cm)
Package 1 Length	12.28 in (31.2 cm)
Package 1 Weight	14.92 oz (423.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	29.49 oz (836.0 g)

Contractual warranty

Warranty	18 months
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Sustainability



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

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[Guide to assess a product’s sustainability >](#)



RoHS/REACH

Well-being performance

✓	Reach Free Of Svhc	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

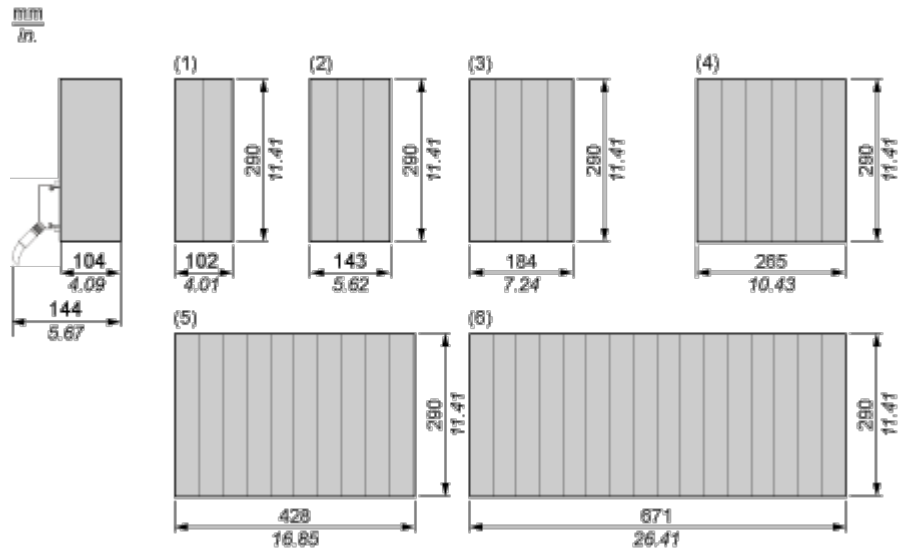
Certifications & Standards

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
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

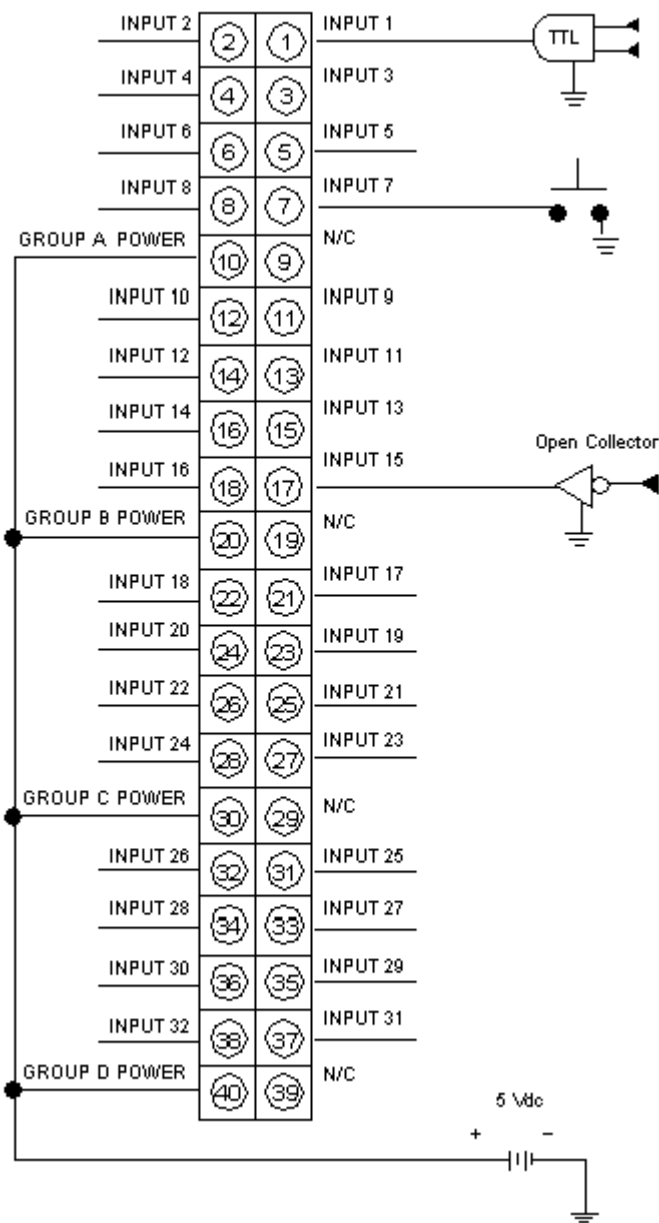


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

5 Vdc Discrete Input Source Module

Wiring Diagram



N/C Not Connected