

# Product data sheet

Specifications



## discrete input module Modicon Quantum -16 inputs - 230 V AC

140DAI74000C

⚠ Discontinued on: May 11, 2021

⚠ To be end-of-service on: Dec 31, 2029

⚠ Discontinued

### Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	VAC discrete input modules
Software Name	Concept Unity Pro ProWORX 32
Discrete Input Number	16

### Complementary

Group Of Channels	16
Addressing Requirement	1 input word
Discrete Input Voltage	230 V AC
Input Current	11.5 mA 57...63 Hz 9.7 mA 47...53 Hz
Voltage State 1 Guaranteed	165...264 V AC 57...63 Hz 175...264 V AC 47...53 Hz
Voltage State 0 Guaranteed	0...40 V AC 57...63 Hz 0...40 V AC 47...53 Hz
Input Impedance	26500 Ohm capacitive 57...63 Hz 31800 Ohm capacitive 47...53 Hz
Network Frequency Limits	47...63 Hz
Maximum Leakage Current	2.6 mA
Absolute Maximum Input	264 V continuous 300 V 10 s 400 V 1 cycle
Response Time	4.9...0.75 ms x line cycle Off-On 7.3...12.3 ms On-Off
Isolation Between Channels	1780 Vrms for 1 minute
Isolation Between Channels And Bus	1780 Vrms for 1 minute
Bus Current Requirement	180 mA
Maximum Power Dissipation In W	5.5 W
Local Signalling	for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 16 LEDs (green)
Marking	CE
Module Format	Standard

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

Net Weight	0.77 lb(US) (0.35 kg)
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## Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508
Product Certifications	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	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
Gtin	3595861135932
Returnability	No
Country Of Origin	FR

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.97 in (5.0 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.60 in (32.0 cm)
Package 1 Weight	15.98 oz (453.0 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	31.96 oz (906.0 g)

## Contractual warranty

Warranty	18 months
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Sustainability



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RoHS/REACH

Well-being performance

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

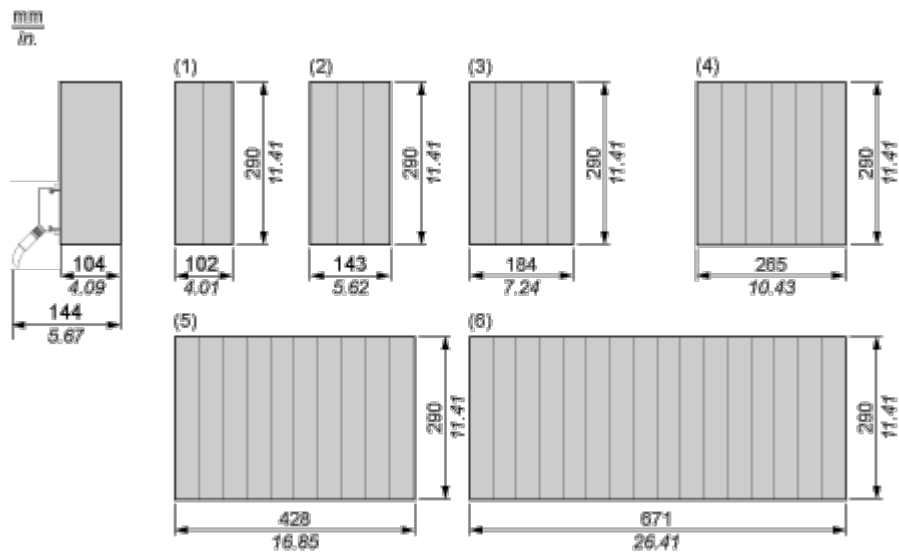
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="#">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

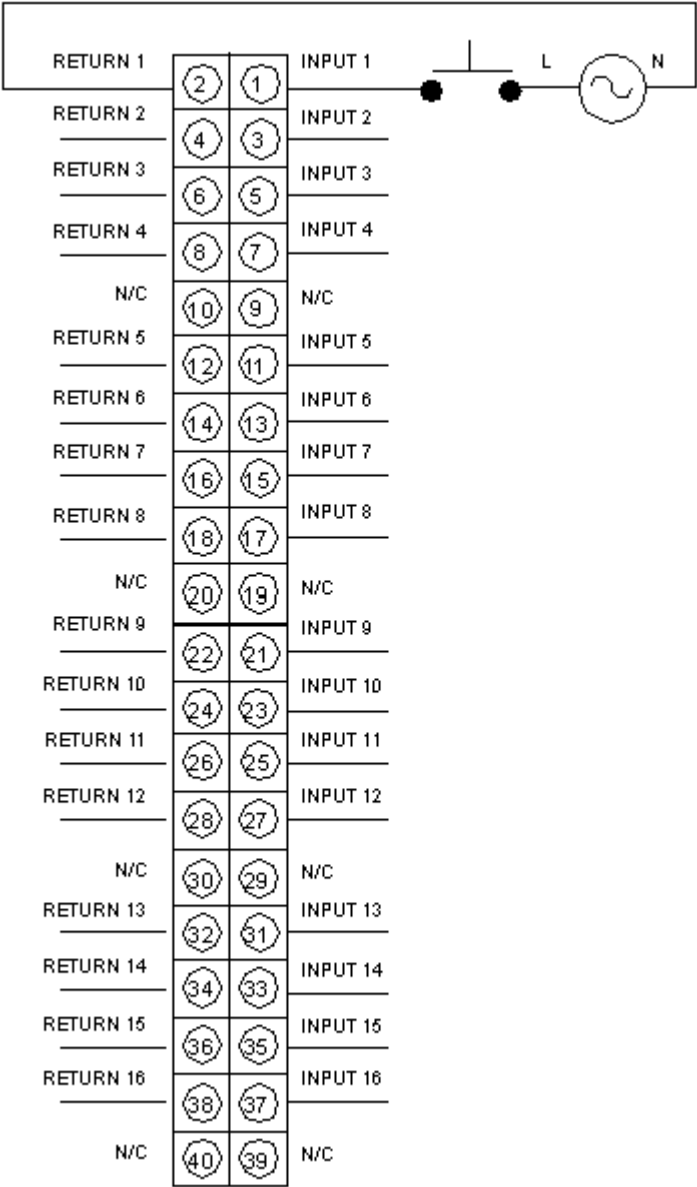


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

230 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected