

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.

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

Protective Treatment	Conformal coating Humiseal 1A33
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Standards	CSA C22.2 No 142 UL 508
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Product Certifications	FM Class 1 Division 2 cUL
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Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
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Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80...2000 MHz IEC 801-3
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Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
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Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
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Relative Humidity	95 % without condensation
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Operating Altitude	<= 16404.2 ft (5000 m)
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Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
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Discount Schedule	PC21
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Gtin	3595861135932
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Returnability	No
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Country Of Origin	FR
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Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
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Package 1 Height	1.97 in (5.0 cm)
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Package 1 Width	6.50 in (16.5 cm)
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Package 1 Length	12.60 in (32.0 cm)
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Package 1 Weight	15.98 oz (453.0 g)
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Unit Type Of Package 2	S02
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Number Of Units In Package 2	2
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Package 2 Height	5.91 in (15.0 cm)
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Package 2 Width	11.81 in (30.0 cm)
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Package 2 Length	15.75 in (40.0 cm)
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Package 2 Weight	31.96 oz (906.0 g)
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Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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

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.

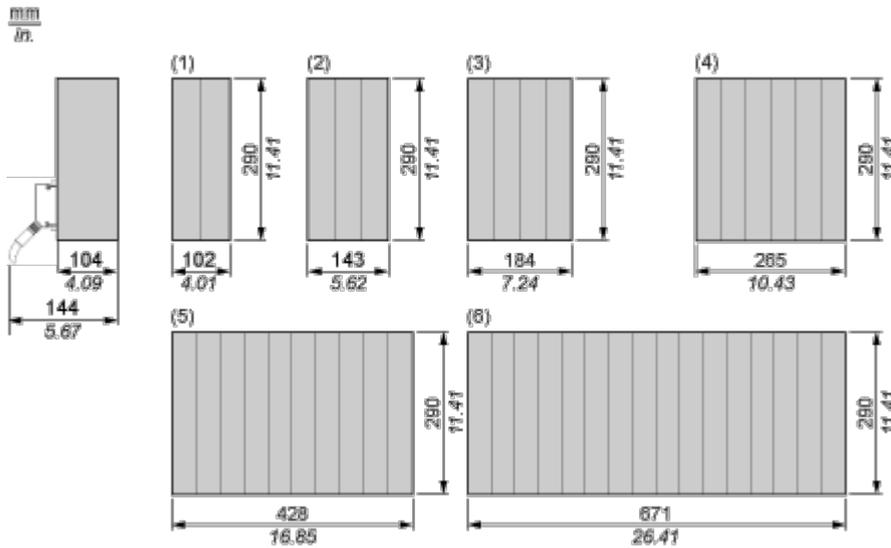
Circularity Profile [End of Life Information](#)

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

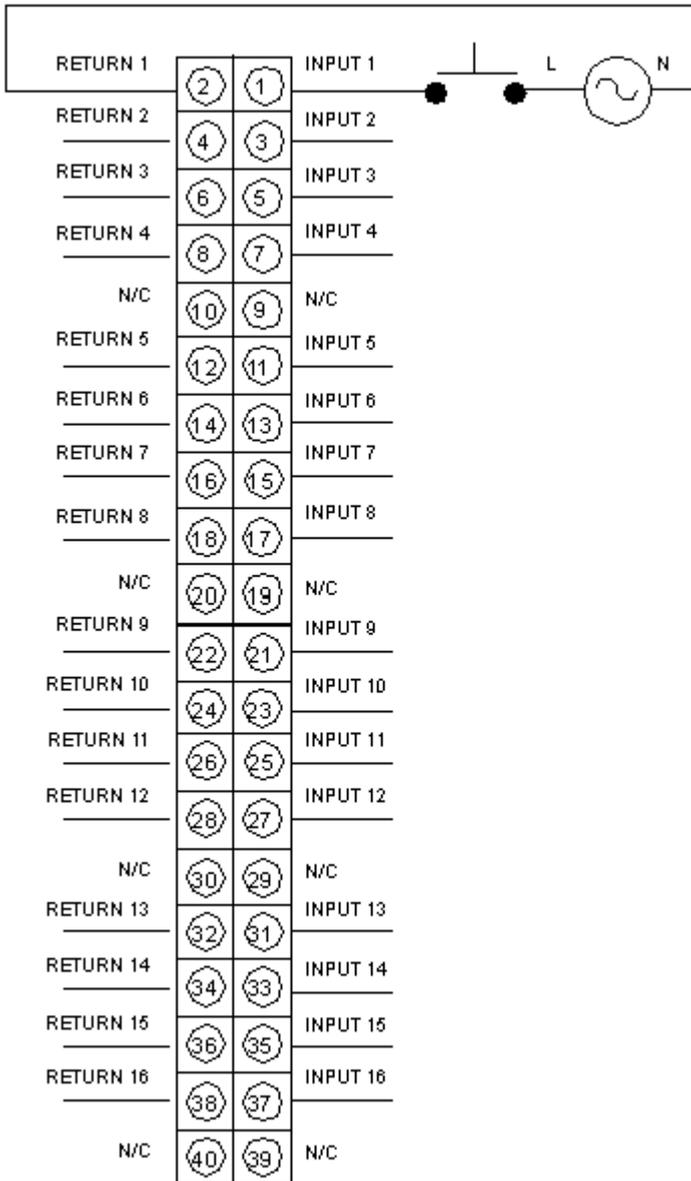


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

230 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected