

# Product datasheet

Specifications



## discrete input module Modicon Quantum - 32 inputs - 24 V AC

140DAI35300C

⚠ Discontinued on: 31 Dec 2021

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

⚠ Discontinued

EAN Code: 3595861135840

### Main

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

### Complementary

Group Of Channels	4
Addressing Requirement	2 input words
Discrete Input Voltage	24 V AC
Input Current	11.1 mA at 57...63 Hz 13.2 mA at 47...53 Hz
Voltage State 1 Guaranteed	12...30 V AC at 57...63 Hz 14...30 V AC at 47...53 Hz
Voltage State 0 Guaranteed	0...5 V at 57...63 Hz 0...5 V at 47...53 Hz
Input Impedance	2600 Ohm capacitive at 57...63 Hz 3100 Ohm capacitive at 47...53 Hz
Network Frequency Limits	47...63 Hz
Maximum Leakage Current	1.9 mA
Absolute Maximum Input	30 V continuous 32 V 10 s 50 V 1 cycle
Response Time	4.9...0.75 ms x line cycle Off-On 7.3...12.3 ms On-Off
Isolation Between Group	1780 Vrms for 1 minute
Isolation Between Group And Bus	1780 Vrms for 1 minute
Bus Current Requirement	250 mA
Maximum Power Dissipation In W	10.9 W
Local Signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 32 LEDs (green) for input status
Marking	CE
Module Format	Standard

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	0.34 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 conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80...2000 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

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	475.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.376 kg

## 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-CO<sub>2</sub> products.

**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 >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
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>
Circularity Profile	<a href="#">End of Life Information</a>

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

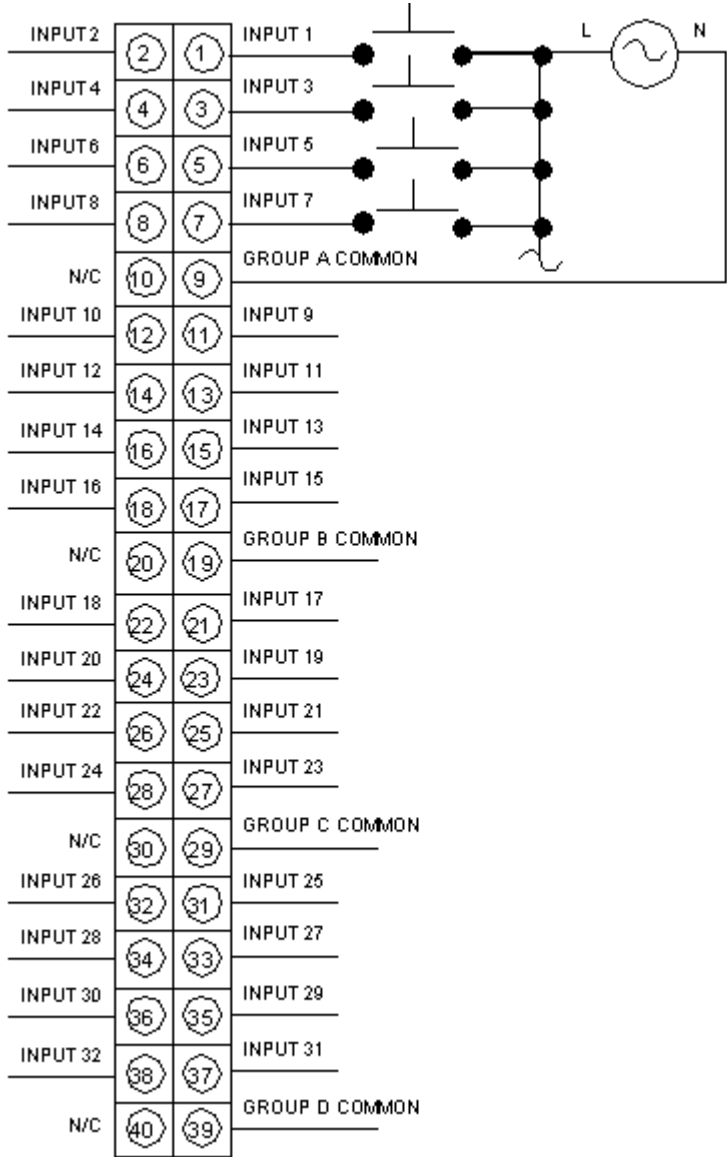


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected