

Product data sheet

Specifications



discrete input module Modicon Quantum - 32 I - 115 V AC

140DAI55300

⚠ 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	VAC discrete input modules
Software name	Unity Pro ProWORX 32 Concept
Discrete input number	32

Complementary

Group of channels	4
Addressing requirement	2 input words
Discrete input voltage	115 V AC
Input current	11.1 mA 57...63 Hz 13.2 mA 47...53 Hz
Voltage state 1 guaranteed	79...132 V AC 57...63 Hz 85...132 V AC 47...53 Hz
Voltage state 0 guaranteed	0...20 V AC 57...63 Hz 0...20 V AC 47...53 Hz
Input impedance	12000 Ohm capacitive 57...63 Hz 14400 Ohm capacitive 47...53 Hz
Network frequency limits	47...63 Hz
Maximum leakage current	2.1 mA
Absolute maximum input	132 V continuous 156 V 10 s 200 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

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

Product Weight	0.73 lb(US) (0.33 kg)
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Environment

Standards	CSA C22.2 No 142 UL 508
Product Certifications	cUL FM Class 1 Division 2
Resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.1 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	3595861126930
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	11.8 in (30.0 cm)
Package 1 Width	1.8 in (4.5 cm)
Package 1 Length	12.3 in (31.2 cm)
Package weight(Lbs)	15.8 oz (448.0 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
EU RoHS Directive	Compliant
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

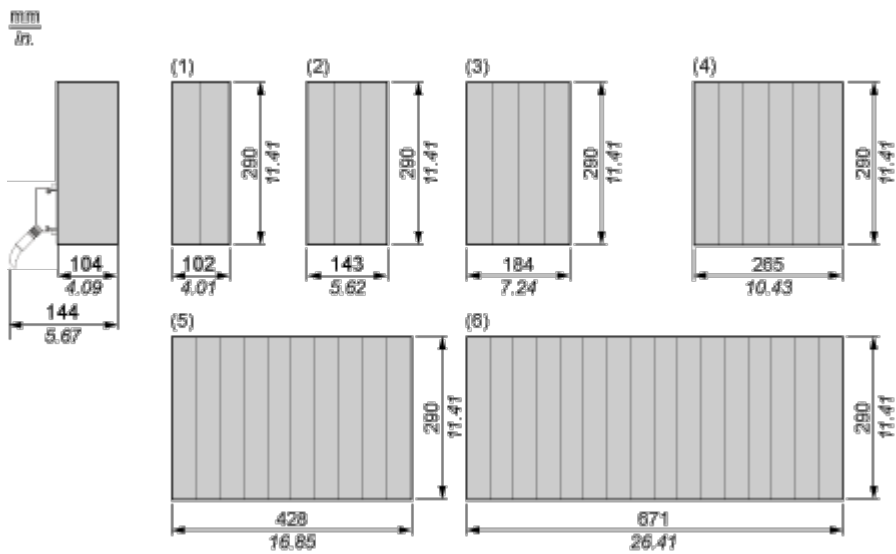
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

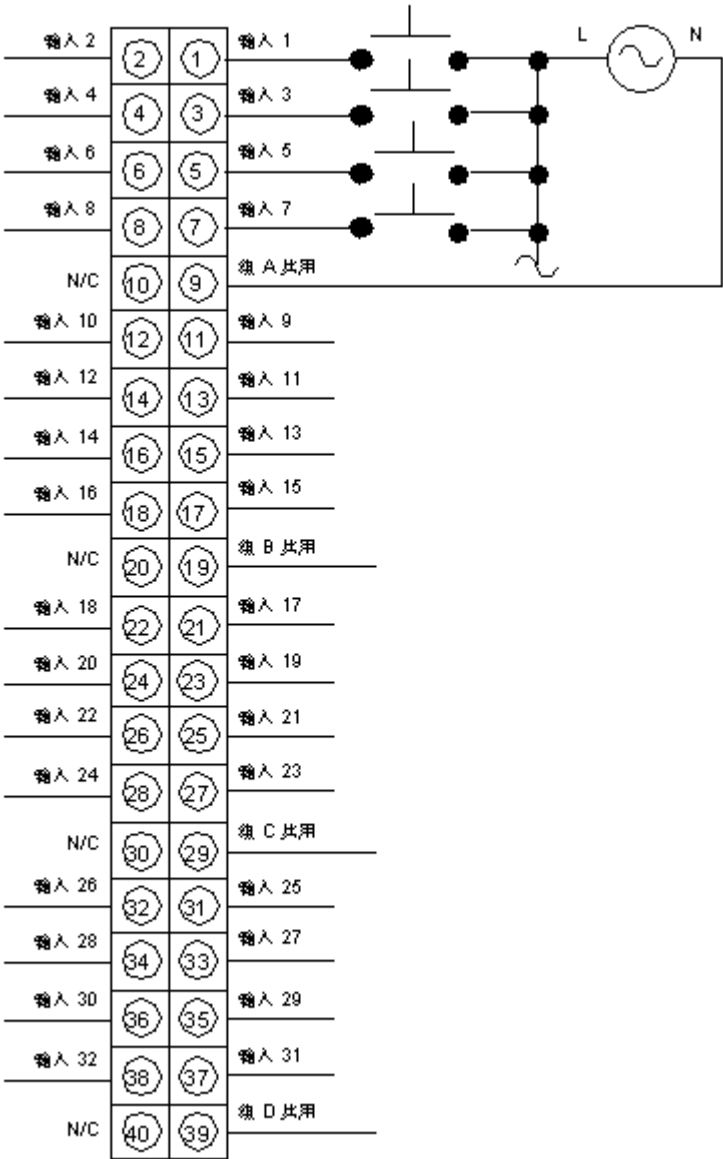


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

115 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected

NOTE: All inputs in a group must be from the same phase of line input voltage.