

Product data sheet

Specifications



discrete input module Modicon Quantum - 32 I - 230 V AC

140DAI75300C

⚠ 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 ProWORX 32 Unity Pro
Discrete Input Number	32

Complementary

Group Of Channels	4
Addressing Requirement	2 input words
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 312 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 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	5 W
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
Module Format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

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

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	UL 508 CSA C22.2 No 142
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	3595860001535
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	12.20 in (31.0 cm)
Package 1 Length	6.30 in (16.0 cm)
Package 1 Weight	18.69 oz (530.0 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	2.94 lb(US) (1.332 kg)

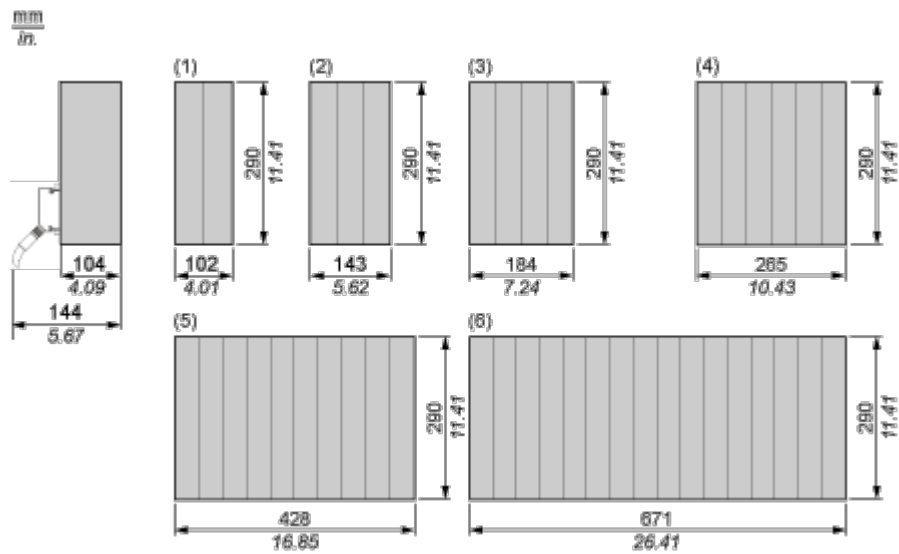
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

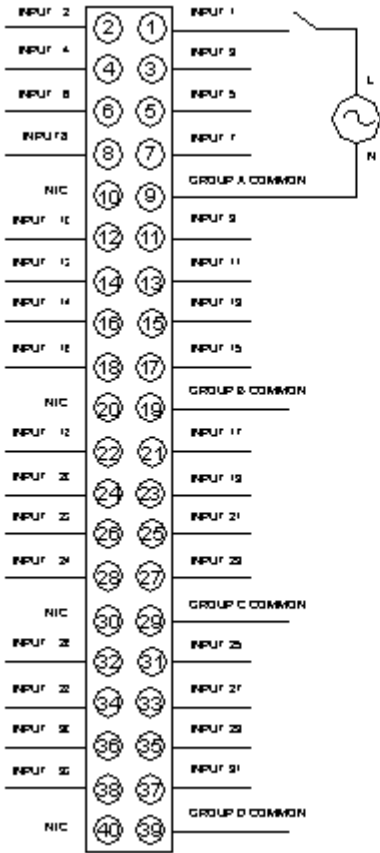


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

230 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected