

Product data sheet

Specifications



Modicon Quantum discrete input module - 24 I - 88..150 V - positive logic

140DDI67300C

⚠ Discontinued - Service only

⚠ Discontinued on: Nov 1, 2022

⚠ End-of-service on: Nov 20, 2022

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Dc discrete input modules
Discrete Input Number	24

Complementary

Group Of Channels	3
Logic Input	Positive (sink)
Input Voltage Limits	88...150 V
Input Voltage	125 V 2.5 mA DC
Absolute Maximum Voltage	156.25 V including ripple
Addressing Requirement	2 input words
Response Time	0.7 ms from state 0 to state 1 0.7 ms from state 1 to state 0
Isolation Between Group And Bus	2500 Vrms DC for 1 minute
Isolation Between Group	700 Vrms DC for 1 minute
Power Dissipation	1 W + (0.62 x number of points on)
Marking	CE
Local Signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 24 LEDs green)
Bus Current Requirement	200 mA
Module Format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508
Product Certifications	FM Class 1 Division 2 C-Tick
Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/yd (10 V/m) 80...2000 MHz IEC 801-3

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

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	<= 5000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.42 in (16.3 cm)
Package 1 Width	1.77 in (4.5 cm)
Package 1 Length	12.28 in (31.2 cm)
Package 1 Weight	16.93 oz (480 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	32.59 oz (924 g)

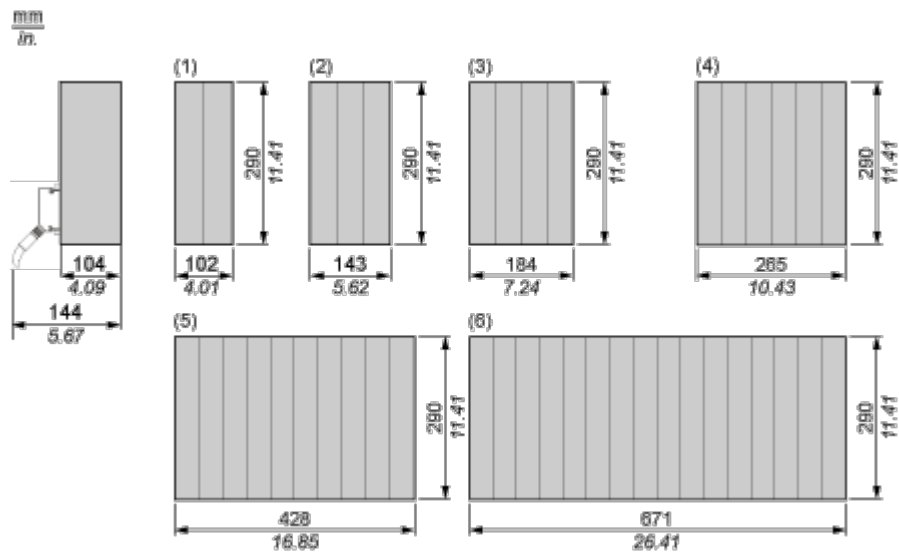
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

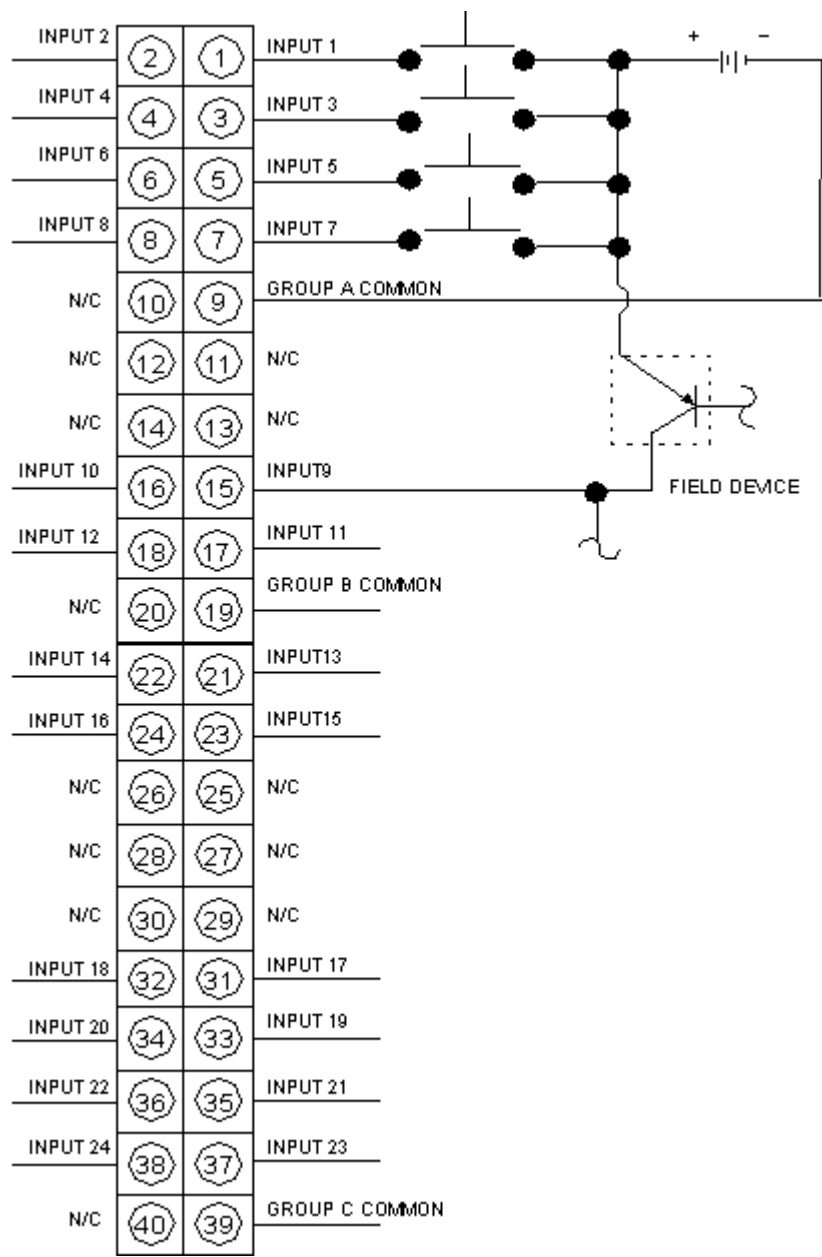


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

125 Vdc Discrete Input Sink Module

Wiring Diagram



N/C Not Connected