

Product data sheet

Specifications



discrete input module Modicon Quantum - 32 I - 24 V DC

140DDI35310C

! Discontinued on: Mar 15, 2022

! Discontinued

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Low voltage dc discrete input modules
Discrete Input Number	32

Complementary

Group Of Channels	4
Logic Input	Negative (source)
Discrete Input Voltage	24 V DC
Input Voltage Limits	19.2...30 V
Voltage State 1 Guaranteed	-30...-15 V DC
Voltage State 0 Guaranteed	-5...0 V DC
Current State 1 Guaranteed	≥ 2.5 mA at $U_s = -14$ V
Current State 0 Guaranteed	≤ 0.5 mA
Addressing Requirement	2 input words
Input Impedance	2400 Ohm
Maximum Leakage Current	200 mA at $U_s = 5.5$ V and $U_{in} = 4$ V
Absolute Maximum Input	30 V continuous 50 V during 1 ms decaying pulse
Response Time	≤ 1 ms from state 0 to state 1 ≤ 1 ms from state 1 to state 0
Protection Type	Input protection by resistor limited
Power Dissipation	1.5 W + (0.26 x number of points on)
Isolation Between Group And Bus	1780 Vrms for 1 minute
Isolation Between Group	500 Vrms for 1 minute
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
Bus Current Requirement	330 mA
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.

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508
Product Certifications	RINA GOST C-tick FM Class 1 Division 2 RMRS
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	3595861137134
Returnability	No
Country Of Origin	CN

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	15.34 oz (435 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	2.80 lb(US) (1.27 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-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.

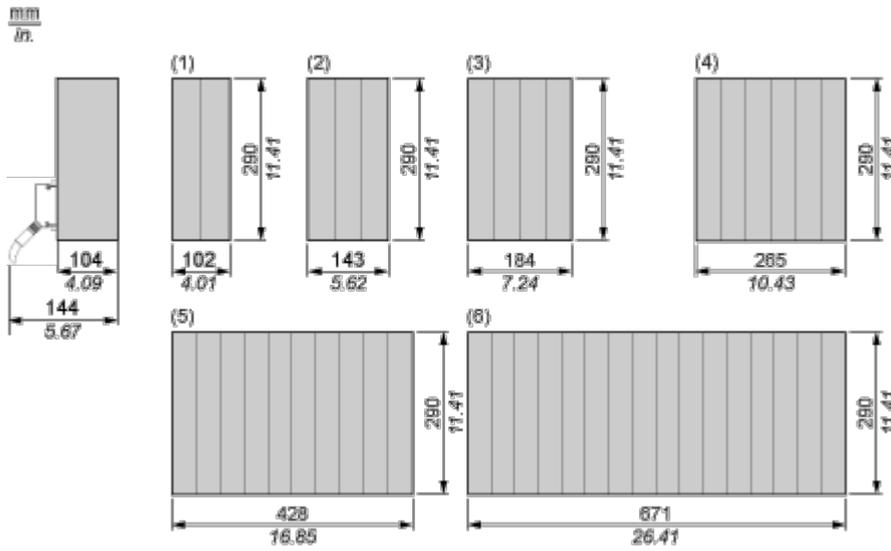
Circularity Profile [End of Life Information](#)

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

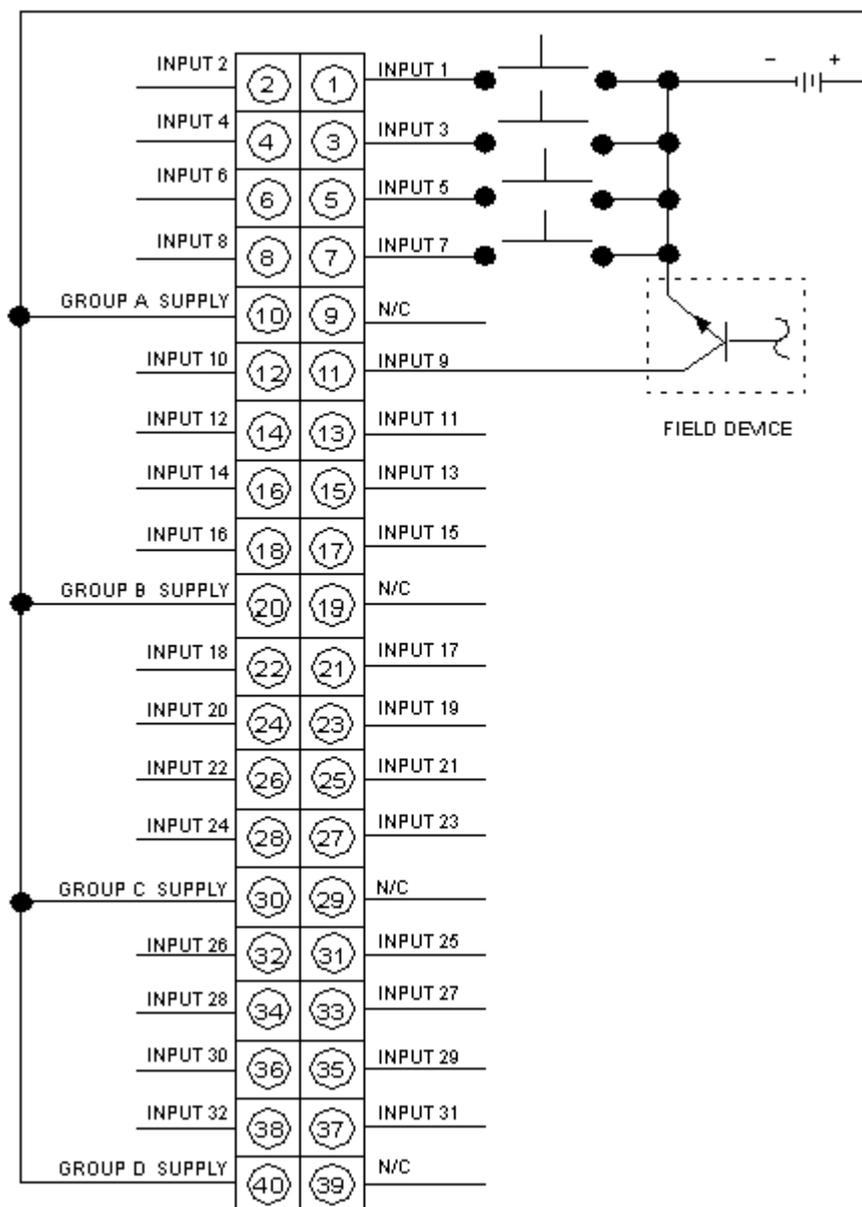


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24 Vdc Discrete Input Source Module

Wiring Diagram



N/C Not Connected