

# Product data sheet

Specifications



## Modicon Quantum low voltage discrete input module - 32 I - positive logic

140DSI35300C

⚠ 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	Positive (sink)
Discrete Input Voltage	24 V DC
Input Voltage Limits	20...30 V
Voltage State 1 Guaranteed	$\geq 11$ V DC
Voltage State 0 Guaranteed	$\leq 5$ V DC
Current State 1 Guaranteed	$\geq 2.5$ mA
Current State 0 Guaranteed	$\leq 1.2$ mA
Addressing Requirement	4 input words
Absolute Maximum Input	45 V during 10 ms decaying pulse
Response Time	2.2 ms from state 0 to state 1 3.3 ms from state 1 to state 0
Isolation Between Group And Bus	1780 Vrms for 1 minute
Isolation Between Group	500 Vrms for 1 minute
Checks	Broken wire detection
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	250 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

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 Certifications	ABS 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/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	3595862028301
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	15.38 oz (436 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	29.91 oz (848 g)

## Contractual warranty

Warranty	18 months
----------	-----------

# 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.

[Learn more about Green Premium >](#)

[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>
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 <a href="#">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

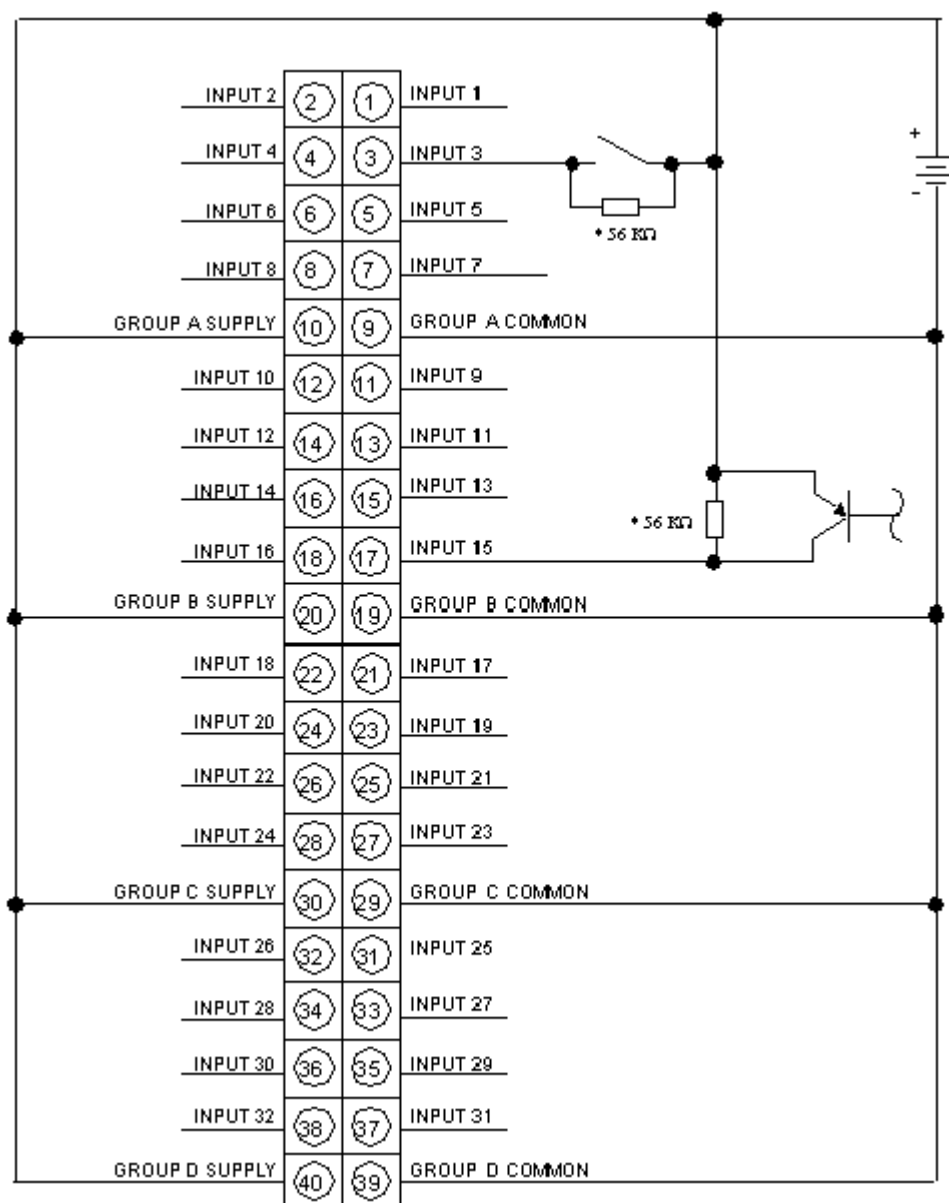


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

## Connections and Schema

## 24 Vdc Discrete Supervised Input Module

## Wiring Diagram



\* Recommended resistor value for 24 Vdc.