

# Product data sheet

Specifications



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

140DDI35300

⚠ Discontinued on: Dec 31, 2022

⚠ To be end-of-service on: Dec 31, 2030

⚠ Discontinued - Service only

### 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	19.2...30 V
Voltage State 1 Guaranteed	15...30 V DC
Voltage State 0 Guaranteed	-3...5 V DC
Current State 1 Guaranteed	$\geq 2$ mA at $U_s = 5.5$ V and $U_{in} = 0$ V
Current State 0 Guaranteed	$\leq 0.5$ mA
Addressing Requirement	2 input words
Input Impedance	2500 Ohm
Maximum Leakage Current	200 mA at $U_s = 5.5$ V and $U_{in} = 4$ V
Absolute Maximum Input	30 V continuous 56 V during 1.3 ms decaying pulse
Response Time	$\leq 1$ ms from state 0 to state 1 $\leq 1$ ms from state 1 to state 0
Protection Type	Input protection by resistor limited
Power Dissipation	1.7 W + (0.36 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	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
Bus Current Requirement	330 mA
Module Format	Standard
Net Weight	0.3 kg

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

Standards	CSA C22.2 No 142 UL 508
Product Certifications	C-Tick DNV RINA RMRS BV GOST ABS
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-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	4.65 cm
Package 1 Width	16.45 cm
Package 1 Length	30.97 cm
Package 1 Weight	409.2 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3494 g
Unit Type Of Package 3	P12
Number Of Units In Package 3	168
Package 3 Height	95 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	92856 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 >](#)



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) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

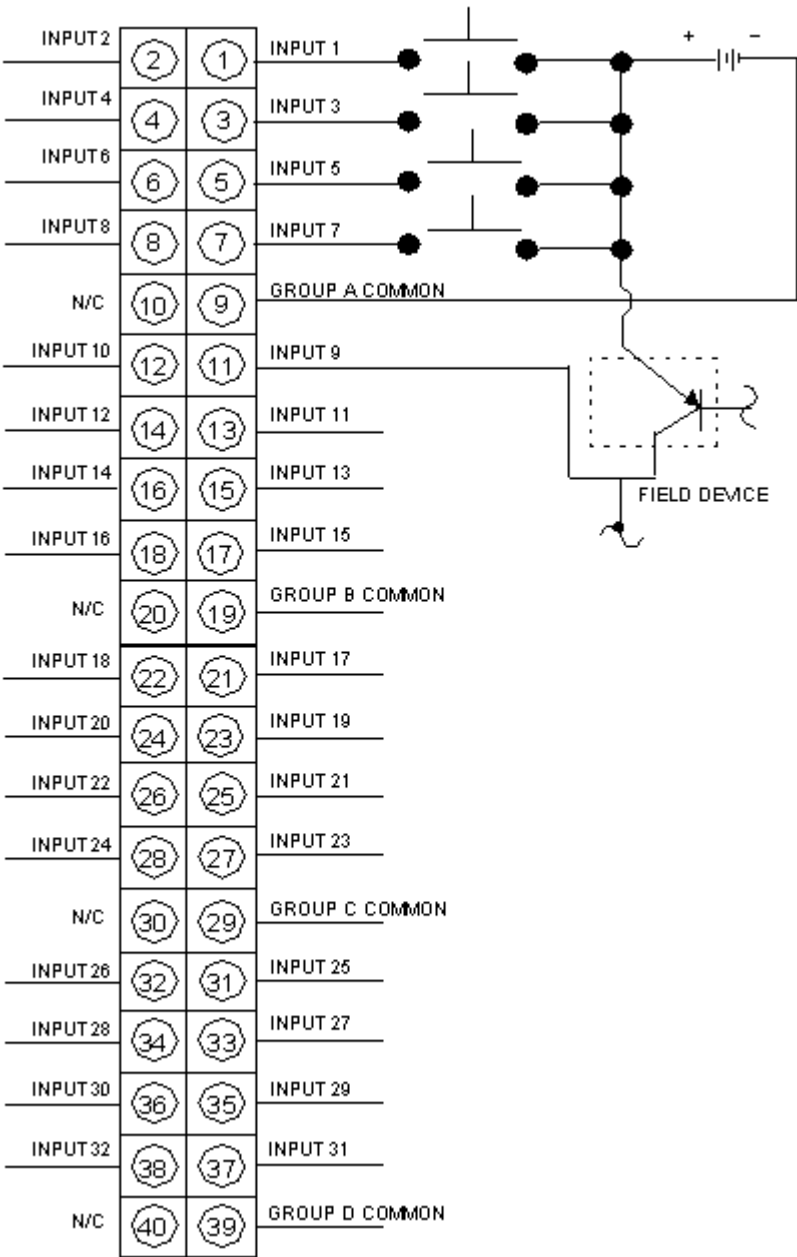


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24 Vdc Discrete Input Sink Module

Wiring Diagram



N/C Not Connected