Product data sheet

Specifications



① Discontinued - Service only

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

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon Quantum automation platform	
Product or Component Type	Low voltage dc discrete input modules	
Discrete input number	32	

Complementary

Complementary		
Group of channels	4	
Logic input	Positive (sink)	
Discrete input voltage	24 V DC	
Input voltage limits	19.230 V	
Voltage state 1 guaranteed	1530 V DC	
Voltage state 0 guaranteed	-35 V DC	
Current state 1 guaranteed	>= 2 mA at Us = 5.5 V and Uin = 0 V	
Current state 0 guaranteed	<= 0.5 mA	
Addressing requirement	2 input words	
Input impedance	2500 Ohm	
Maximum leakage current	200 mA at Us = 5.5 V and Uin = 4 V	
Absolute maximum input	30 V continuous 56 V during 1.3 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	1.7 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	0.7 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

Standards	CSA C22.2 No 142	
	UL 508	
Product Certifications	C-tick	
	DNV	
	RINA	
	RMRS	
	BV	
	GOST	
	ABS	
	700	
Resistance to electrostatic	4 kV contact IEC 801-2	
discharge	8 kV on air IEC 801-2	
Resistance to electromagnetic fields	9.1 V/m (10 V/m) 802000 MHz IEC 801-3	
Ambient Air Temperature for Operation	32140 °F (060 °C)	
Ambient Air Temperature for Storage	-40185 °F (-4085 °C)	
Relative Humidity	95 % without condensation	
Operating altitude	<= 16404.2 ft (5000 m)	

Ordering and shipping details

Category	US1PC2118155	
Discount Schedule	PC21	
GTIN	3595861133815	
Returnability	Yes	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.83 in (4.65 cm)
Package 1 Width	6.48 in (16.45 cm)
Package 1 Length	12.19 in (30.97 cm)
Package 1 Weight	14.4 oz (409.2 g)

Contractual warranty

Warranty

18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability \geq

Use Better

Se Materials and Substances		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
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	

Use Again

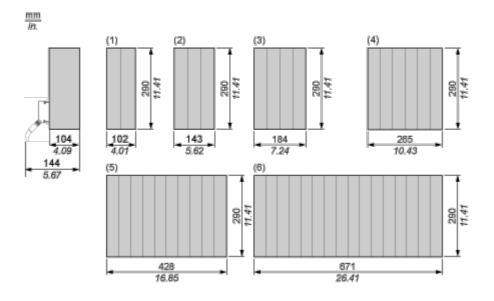
\odot Repack and remanufacture		
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	

Product data sheet

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

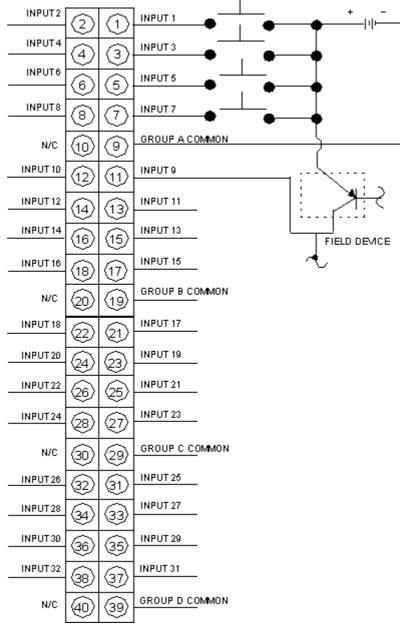


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24 Vdc Discrete Input Sink Module

Wiring Diagram



N/C Not Connected