Product datasheet

Specifications





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

140DDI35300C

- ! To be discontinued on: 31-Dec-2029
- ! To be end-of-service on: 31-Dec-2029

① 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

Consum Of Observation	
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	LED (green) for bus communication is present (Active) 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

Environment

Protective Treatment	Conformal coating Humiseal 1A33	
Standards	CSA C22.2 No 142	
	UL 508	
Product Certifications	RMRS	
	ABS	
	GOST	
	BV	
	C-Tick	
	DNV	
	RINA	
Resistance To Electrostatic	4 kV contact conforming to IEC 801-2	
Discharge	8 kV on air conforming to IEC 801-2	
Resistance To Electromagnetic Fields	10 V/m 802000 MHz conforming to IEC 801-3	
Ambient Air Temperature For Operation	060 °C	
Ambient Air Temperature For Storage	-4085 °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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	431.0 g

Contractual warranty

Warranty 18 months



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RoHS/REACh

Well-being performance

	Reach Free Of Svhc	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

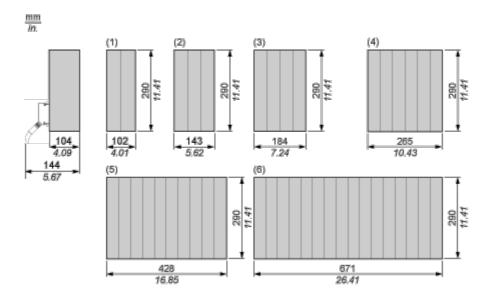
Certifications & Standards

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

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

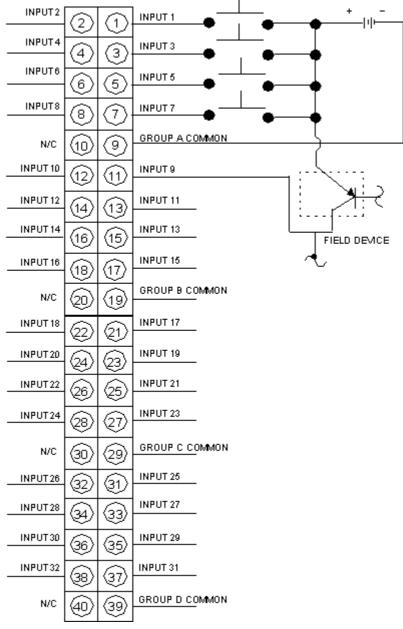


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24 Vdc Discrete Input Sink Module

Wiring Diagram



N/C Not Connected