Product datasheet

Specification





Modicon Quantum discrete input module - 34 I - 10..60 V - positive logic

140DDI85300C

! To be discontinued on: 31 Dec 2026

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

Main

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

Complementary

Complementary	
Group Of Channels	4
Logic Input	Positive (sink)
Input Voltage Limits	1060 V
Input Voltage	12 V 510 mA DC 24 V 630 mA DC 48 V 215 mA DC 60 V 15 mA DC
Voltage State 1 Guaranteed	912 V 12 V +/- 5 % 1124 V 24 V - 1520 % 3448 V 48 V - 1520 % 4560 V 60 V - 1520 %
Voltage State 0 Guaranteed	01.8 V 12 V +/- 5 % 010 V 48 V - 1520 % 012.5 V 60 V - 1520 % 05 V 24 V - 1520 %
Absolute Maximum Voltage	75 V
Addressing Requirement	2 input words
Response Time	4 ms from state 0 to state 1 4 ms from state 1 to state 0
Switching Frequency	<= 100 Hz
Isolation Between Group And Bus	2500 Vrms DC for 1 minute
Isolation Between Group	700 Vrms DC for 1 minute
Power Dissipation	1 W + (0.25 x number of points on)
Marking	CE
Local Signalling	1 LED (green) for bus communication is present (Active) 32 LEDs (green) for input status
Bus Current Requirement	300 mA
Module Format	Standard
Net Weight	0.295 kg



Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508 EN/IEC 61131-2
Product Certifications	CSA CE ATEX Merchant Navy IEC-Ex UL EAC RCM hazardous location class 1, division 2
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 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	447.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.184 kg

Contractual warranty

Warranty 18 months



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RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
②	Mercury Free	
②	Rohs Exemption Information	Yes

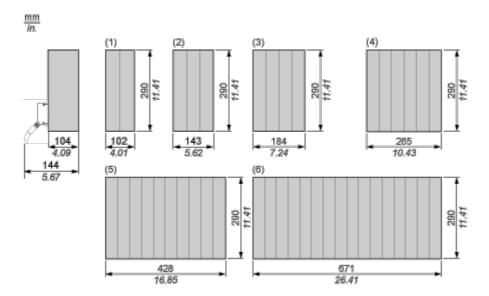
Certifications & Standards

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

10...60 Vdc Discrete Input Sink Module

Wiring Diagram

