

# 140DAI34000C

discrete input module Modicon Quantum - 16  
inputs - 24 V AC



## Main

Range of product	Modicon Quantum automation platform
Product or component type	VAC discrete input modules
Software name	Unity Pro Concept ProWORX 32
Discrete input number	16

## Complementary

Group of channels	16
Addressing requirement	1 input word
Discrete input voltage	24 V AC
Input current	12 mA 57...63 Hz 10.7 mA 47...53 Hz
Voltage state 1 guaranteed	16...30 V AC 57...63 Hz 18...30 V AC 47...53 Hz
Voltage state 0 guaranteed	0...6 V 57...63 Hz 0...5 V 47...53 Hz
Input impedance	2600 Ohm capacitive 57...63 Hz 3100 Ohm capacitive 47...53 Hz
Network frequency limits	47...63 Hz
Maximum leakage current	1.9 mA
Absolute maximum input	30 V continuous 32 V 10 s 50 V 1 cycle
Response time	4.9...0.75 ms x line cycle Off-On 7.3...12.3 ms On-Off
Isolation between channels	1780 Vrms for 1 minute
Isolation between channels and bus	1780 Vrms for 1 minute
Bus current requirement	180 mA
Maximum power dissipation in W	5.5 W
Local signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 16 LEDs green)
Marking	CE
Module format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

## Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2 CUL
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	03595861135901
Nbr. of units in pkg.	1
Package weight(Lbs)	15.24 oz (432 g)
Returnability	No
Country of origin	FR

### Packing Units

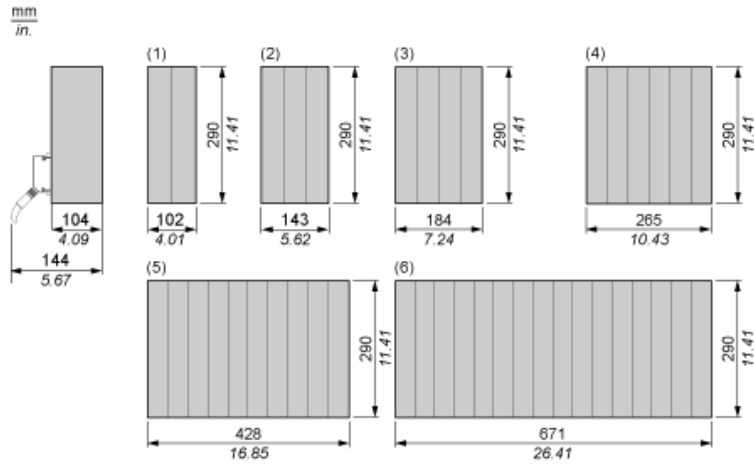
Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	12.20 in (31 cm)

### Contractual warranty

Warranty	18 months
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Racks for Modules Mounting

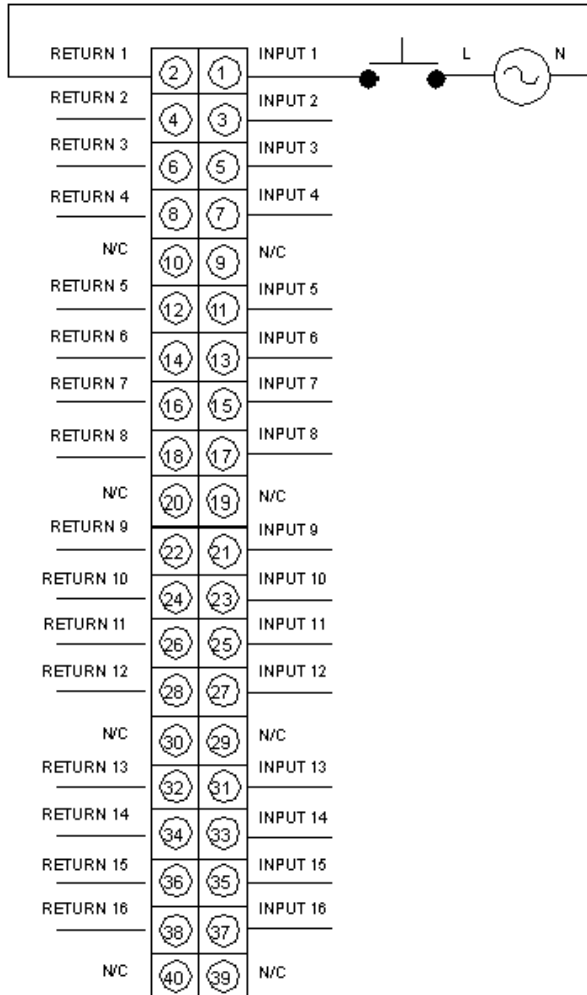
Dimensions of Modules and Racks



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

24 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected