

140DAI34000

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

Product availability : Stock - Normally stocked in distribution facility

Price* : 1475.45 USD



Main

Range of product	Modicon Quantum automation platform
Product or component type	VAC discrete input modules
Software name	Unity Pro ProWORX 32 Concept
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 at 57...63 Hz 18...30 V AC at 47...53 Hz
Voltage state 0 guaranteed	0...6 V at 57...63 Hz 0...5 V at 47...53 Hz
Input impedance	2600 Ohm capacitive at 57...63 Hz 3100 Ohm capacitive at 47...53 Hz
Network frequency limits	47...63 Hz
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
Power dissipation in W	<= 5.5 W
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 16 LEDs green input status
Marking	CE
Module format	Standard
Product weight	0.66 lb(US) (0.3 kg)

Environment

Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2 CUL
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	9.14 V/yd (10 V/m) 80...2000 MHz conforming to 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	00785901803171
Nbr. of units in pkg.	1
Package weight(Lbs)	0.9599999999999996
Returnability	N
Country of origin	CN

Offer Sustainability

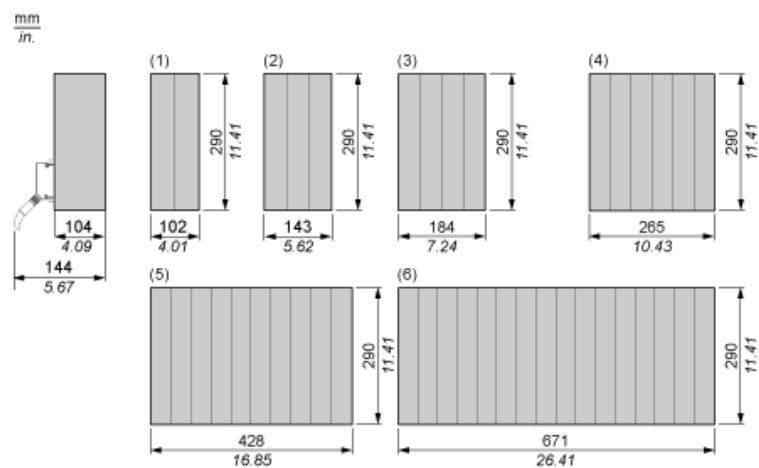
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0834 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

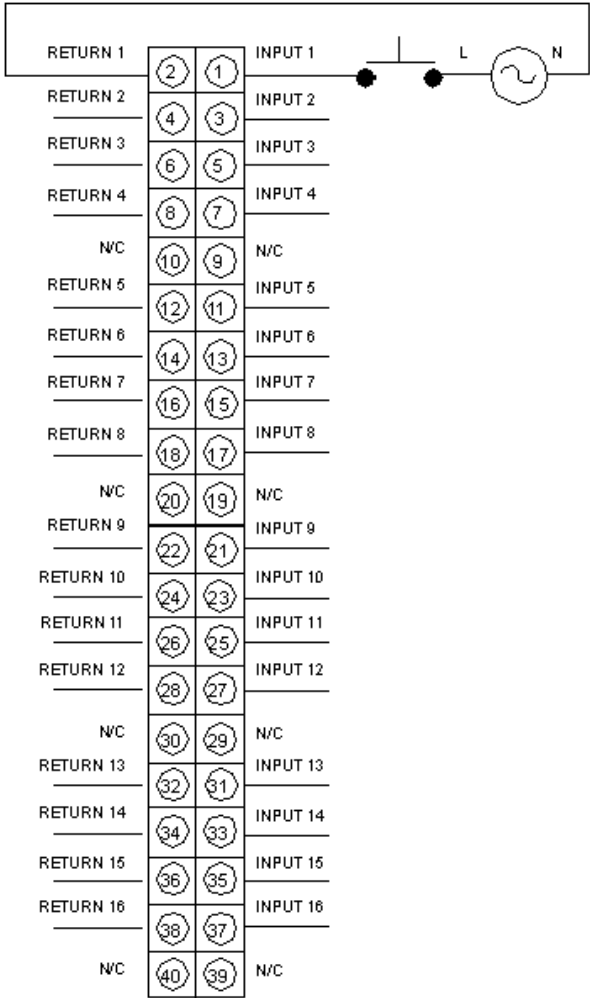
Dimensions of Modules and Racks



- (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