

# Product data sheet

## Characteristics

# 140DAI74000

## discrete input module Modicon Quantum - 16 I - 230 V AC

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

Price\*: 1214.00 USD



### Main

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

### Complementary

Group of channels	16
Addressing requirement	1 input word
Discrete input voltage	230 V AC
Input current	<= 9.7 mA 47...53 Hz <= 11.5 mA 57...63 Hz
Voltage state 1 guaranteed	175...264 V AC at 47...53 Hz 165...264 V AC at 57...63 Hz
Voltage state 0 guaranteed	0...40 V AC at 47...53 Hz 0...40 V AC at 57...63 Hz
Input impedance	31800 Ohm capacitive at 47...53 Hz 26500 Ohm capacitive at 57...63 Hz
Network frequency limits	47...63 Hz
Leakage current	<= 2.6 mA
Absolute maximum input	400 V 1 cycle 300 V 10 s 264 V continuous
Response time	7.3...12.3 ms On-Off 4.9...0.75 ms x line cycle Off-On
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	16 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Marking	CE
Module format	Standard
Product weight	0.77 lb(US) (0.35 kg)

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## Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	CUL FM Class 1 Division 2
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact 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	00785901793168
Nbr. of units in pkg.	1
Package weight(Lbs)	1.04
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	CN

## Contractual warranty

Period	18 months
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