

Schneider Electric 140DAI54000

discrete input module Modicon Quantum - 16 I - 115 V AC - 16 channels

140DAI54000

Specifications

Main

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

115 V AC

Input current

11.1 mA 57...63 Hz

13.2 mA 47...53 Hz

Voltage state 1 guaranteed

79...132 V AC 57...63 Hz

85...132 V AC 47...53 Hz

Voltage state 0 guaranteed

0...20 V AC 57...63 Hz

0...20 V AC 47...53 Hz

Input impedance

12000 Ohm capacitive 57...63 Hz

14400 Ohm capacitive 47...53 Hz

Network frequency limits

47...63 Hz

Maximum leakage current

2.1 mA

Absolute maximum input

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132 V continuous
156 V 10 s
200 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
1 LED (green) for bus communication is present (Active)
1 LED (red) for external fault detected (F)
16 LEDs (green) for input status
Marking
CE
Module format
Standard
Net Weight
0.68 lb(US) (0.31 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 IEC 801-2
8 kV on air IEC 801-2
Resistance to electromagnetic fields
9.1 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

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95 % without condensation
Operating altitude
<= 16404.2 ft (5000 m)
Ordering and shipping details
Category
US1PC2118155
Discount Schedule
PC21
GTIN
3595861126916
Returnability
Yes
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
6.42 in (16.3 cm)
Package 1 Width
1.77 in (4.5 cm)
Package 1 Length
12.28 in (31.2 cm)
Package weight(Lbs)
15.4 oz (438.0 g)

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