

Schneider Service Manual

140DAI75300

3. Product Information

Schneider Electric 140DAI75300

discrete input module Modicon Quantum - 32 I - 230 V AC

140DAI75300

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

VAC discrete input modules

Software name

Concept

Unity Pro

ProWORX 32

Discrete input number

32

Complementary

Group of channels

4

Addressing requirement

2 input words

Discrete input voltage

230 V AC

Input current

11.5 mA 57...63 Hz

9.7 mA 47...53 Hz

Voltage state 1 guaranteed

165...264 V AC 57...63 Hz

175...264 V AC 47...53 Hz

Voltage state 0 guaranteed

0...40 V AC 57...63 Hz

0...40 V AC 47...53 Hz

Input impedance

26500 Ohm capacitive 57...63 Hz

31800 Ohm capacitive 47...53 Hz

Network frequency limits

47...63 Hz

Maximum leakage current

2.6 mA

Absolute maximum input

264 V continuous

312 V 10 s

400 V 1 cycle

Response Time

4.9...0.75 ms x line cycle Off-On

7.3...12.3 ms On-Off

Isolation between group

1780 Vrms for 1 minute

Isolation between group and bus

1780 Vrms for 1 minute

Bus current requirement

250 mA

Maximum power dissipation in W

5 W

Local signalling

1 LED (green) for bus communication is present (Active)

1 LED (red) for external fault detected (F)

32 LEDs (green) for input status

Marking

CE

Module format

Standard

Net Weight

0.7 lb(US) (0.3 kg)

Environment

Standards

CSA C22.2 No 142

UL 508

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

95 % without condensation

Operating altitude

<= 16404.2 ft (5000 m)

Ordering and shipping details

Category

US1PC2118155

Discount Schedule

PC21

GTIN

3595860001528

Returnability

No

Country of origin

US

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.85 in (4.700 cm)

Package 1 Width

6.50 in (16.500 cm)

Package 1 Length

12.40 in (31.500 cm)

Package weight(Lbs)

18.131 oz (514.000 g)

Unit Type of Package 2

S03

Number of Units in Package 2

7

Package 2 Height

11.81 in (30.000 cm)

Package 2 Width

11.81 in (30.000 cm)

Package 2 Length

15.75 in (40.000 cm)

Package 2 Weight

8.885 lb(US) (4.030 kg)