

Schneider Service Manual

140DDI85300

3. Product Information

Schneider Electric 140DDI85300 Picture

discrete input module Modicon Quantum - 32 I - 10..60 V DC

140DDI85300

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Dc discrete input modules

Discrete input number

32

Complementary

Group of channels

4

Logic input

Positive (sink)

Input voltage limits

10...60 V

Input voltage

12 V 5...10 mA DC

24 V 6...30 mA DC

48 V 2...15 mA DC

60 V 1...5 mA DC

Voltage state 1 guaranteed

9...12 V 12 V +/- 5 %

11...24 V 24 V - 15...20 %

34...48 V 48 V - 15...20 %

45...60 V 60 V - 15...20 %

Voltage state 0 guaranteed

0...1.8 V 12 V +/- 5 %

0...10 V 48 V - 15...20 %

0...12.5 V 60 V - 15...20 %

0...5 V 24 V - 15...20 %

Absolute maximum voltage

75 V

Addressing requirement

2 input words

Response Time

4 ms from state 0 to state 1

4 ms from state 1 to state 0

Switching frequency

<= 100 Hz

Isolation between group and bus

2500 Vrms DC for 1 minute

Isolation between group

700 Vrms DC for 1 minute

Power dissipation

1 W + (0.25 x number of points on)

Marking

CE

Local signalling

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

32 LEDs (green) for input status

Bus current requirement

300 mA

Module format

Standard

Net Weight

0.650 lb(US) (0.295 kg)

Environment

Standards

EN/IEC 61131-2

CSA C22.2 No 142

UL 508

Product Certifications

RCM

Merchant Navy

UL

EAC

CSA

CE

hazardous location class 1, division 2

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

3595861000100

Returnability

No

Country of origin

FR

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)

15.10 oz (428.0 g)