

Schneider Service Manual

140DDI35300

3. Product Information

Schneider Electric 140DDI35300 Picture

discrete input module Modicon Quantum - 32 I 24 V DC

140DDI35300

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Low voltage dc discrete input modules

Discrete input number

32

Complementary

Group of channels

4

Logic input

Positive (sink)

Discrete input voltage

24 V DC

Input voltage limits

19.2...30 V

Voltage state 1 guaranteed

15...30 V DC

Voltage state 0 guaranteed

-3...5 V DC

Current state 1 guaranteed

≥ 2 mA at $U_s = 5.5$ V and $U_{in} = 0$ V

Current state 0 guaranteed

≤ 0.5 mA

Addressing requirement

2 input words

Input impedance

2500 Ohm

Maximum leakage current

200 mA at $U_s = 5.5$ V and $U_{in} = 4$ V

Absolute maximum input

30 V continuous

56 V during 1.3 ms decaying pulse

Response Time

≤ 1 ms from state 0 to state 1

≤ 1 ms from state 1 to state 0

Protection Type

Input protection by resistor limited

Power dissipation

1.7 W + (0.36 x number of points on)

Isolation between group and bus

1780 Vrms for 1 minute

Isolation between group

500 Vrms for 1 minute

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

Bus current requirement

330 mA

Module format

Standard

Net Weight

0.7 lb(US) (0.3 kg)

Environment

Standards

CSA C22.2 No 142

UL 508

Product Certifications

C-tick

DNV

RINA

RMRS

BV

GOST

ABS

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

3595861133815

Returnability

Yes

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.83 in (4.65 cm)

Package 1 Width

6.48 in (16.45 cm)

Package 1 Length

12.19 in (30.97 cm)

Package weight(Lbs)

14.4 oz (409.2 g)