

Schneider Service Manual

140DDO35310

3. Product Information

Schneider Electric 140DDO35310 Picture

discrete output module Modicon Quantum - 32 O - negative logic (sink)

140DDO35310

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Dc discrete output module

Discrete output number

32

Complementary

Group of channels

4 groups of 8

Discrete output logic

Negative logic (sink)

Addressing requirement

2 output words

Discrete output voltage

24 V DC

Output voltage limits

19.2...30 V

Absolute maximum output

50 V 1 s decaying pulse

Maximum voltage drop

<0.4 V 0.5 A

Maximum load current

16 A per module

4 A per group

Surge current

5 A 1 ms

Response Time

<= 1 ms at state 0 to state 1

<= 1 ms at state 1 to state 0

Maximum leakage current

0.4 mA 30 V

Load inductance

$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$

Maximum tungsten load

12 W 24 V

Fault indication

Loss of field power

Blown fuse

Associated fuse rating

3 A each point

5 A per group

Isolation between channels and bus

1780 Vrms DC for 1 minute

Isolation between group

500 Vrms DC for 1 minute

Protection Type

Internal output protection by 5 A fuse per group

Power dissipation

2.0 W + (0.4 V x total load current)

Marking

CE

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

Bus current requirement

330 mA

Module format

Standard

Net Weight

0.99 lb(US) (0.45 kg)

Environment

Product Certifications

FM Class 1 Division 2

RINA

GOST

C-tick

RMRS

Standards

UL 508

CSA C22.2 No 142

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

3595861135673

Returnability

No

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)

17.1 oz (486.0 g)