

Schneider Service Manual

140DDO35300

3. Product Information

Schneider Electric 140DDO35300 Picture

discrete output module Modicon Quantum - 32 O solid state

140DDO35300

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

Positive logic (source)

Addressing requirement

2 output words

Discrete output voltage

24 V DC

Output voltage limits

19.2...30 V

Absolute maximum output

56 V 1.3 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 0.0005 s

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

$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 50 Hz

Fault indication

Blown fuse

Loss of field power

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

1.75 W + (0.4 V x total module 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

GOST

BV

RMRS

ABS

DNV

GL

RINA

C-tick

FM Class 1 Division 2

safety certification non interfering

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

3595861127050

Returnability

Yes

Country of origin

US

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

1.81 in (4.59 cm)

Package 1 Width

6.47 in (16.44 cm)

Package 1 Length

12.24 in (31.09 cm)

Package weight(Lbs)

15.3 oz (434.9 g)