

Schneider Service Manual

140DDO84300

3. Product Information

Schneider Electric 140DDO84300 Picture

discrete output module Modicon Quantum - 16 O - 10..60 V DC

140DDO84300

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Dc discrete output module

Discrete output number

16

Complementary

Group of channels

2 groups of 8

Discrete output logic

Positive logic (source)

Addressing requirement

1 output word

Discrete output voltage

10...60 V DC

Output voltage limits

10.2...72 V

Absolute maximum output

72 V permanent

Maximum voltage drop

<1 V 2 A

Maximum load current

12 A per module

6 A per group

Surge current

7.5 A 50 s

Response Time

<= 1 ms at state 0 to state 1

<= 1 ms at state 1 to state 0

Maximum leakage current

1 mA 60 V

Load inductance

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

Associated fuse rating

2 A each point

8 A per group

Isolation between channels and bus

2500 Vrms DC for 1 minute

Isolation between group

700 Vrms DC for 1 minute

Protection Type

Internal output protection by 8 A fuse per group

Power dissipation

1 W + (1 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)

16 LEDs (green) for input status

Bus current requirement

160 mA

Module format

Standard

Net Weight
0.99 lb(US) (0.45 kg)
Environment
Product Certifications
GOST
RMRS
FM Class 1 Division 2
C-tick
Standards
CSA C22.2 No 142
UL 508
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
3595861000117
Returnability
Yes
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
1.86 in (4.73 cm)
Package 1 Width
6.43 in (16.33 cm)
Package 1 Length
12.17 in (30.91 cm)
Package weight(Lbs)
16.0 oz (452.6 g)