

Schneider Service Manual

140DRA84000

3. Product Information

Schneider Electric 140DRA84000

discrete output module Modicon Quantum - 16 O

140DRA84000

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Relay discrete output module

Discrete output number

16

Complementary

Contacts type and composition

1 NO

Contact form

Form A

Discrete output voltage

20...250 V AC

30...150 V DC

5...30 V DC

Addressing requirement

1 output word

Minimum load

50 mA 20...250 V AC

50 mA 5...30 V DC

Maximum load current

1 A 250/30 V AC/DC 1/8 hp $\cos \phi = 0.4$

1 A 250/30 V AC/DC tungsten

2 A 250/30 V AC/DC resistive 140 °F (60 °C)

300 mA 30...50 V DC resistive

Surge current

10 A 10 ms capacitive

Switching capacity in VA

500 VA resistive

Maximum response time on input open

10 ms at state 0 to state 1

20 ms at state 1 to state 0

Mechanical durability

10000000 cycles

Electrical durability

100000 cycles 100 mA 30...150 V DC L/R = 10 ms

100000 cycles 2 A 30 V DC resistive

100000 cycles 30...150 V DC interposing relay

100000 cycles 300 mA 30...150 V DC resistive

200000 cycles 2 A 250 V AC resistive

50000 cycles 500 mA 30...150 V DC resistive

Output overvoltage protection

Internal by varistor, 275 V

Isolation between channels

1780 Vrms AC for 1 minute

Isolation between channels and bus

1780 Vrms AC for 1 minute

2500 V DC for 1 minute

Power dissipation

5.5 W + (0.5 x the number of points on)

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

1100 mA

Module format

Standard

Net Weight

0.90 lb(US) (0.41 kg)

Environment

Product Certifications

FM Class 1 Division 2

C-tick

GOST

ABS

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

3595861127074

Returnability

Yes

Country of origin

CN

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)

19.2 oz (545 g)