

Schneider Electric 140DRC83000

relay discrete output module Modicon Quantum - 8 O

140DRC83000

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Relay discrete output module

Discrete output number

8

Complementary

Contacts type and composition

1 NO/NC

Contact form

Form C

Discrete output voltage

20...250 V AC

30...150 V DC

5...30 V DC

Addressing requirement

0.5 output word

Maximum load current

100 mA 30...50 V DC L/R = 10 ms

2 A 250/30 V AC/DC tungsten 1/4 hp $\cos \phi = 0.4$

3 A 250/30 V AC/DC

300 mA 30...50 V DC resistive

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

Surge current

20 A 10 ms capacitive

Switching frequency

30 Hz resistive

$F = 0.5/I^2 L$ inductive

Switching capacity in VA

1250 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

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10000000 cycles
Electrical durability
100000 cycles 100 mA 30...150 V DC L/R = 10 ms
100000 cycles 30...150 V DC interposing relay
100000 cycles 300 mA 30...150 V DC resistive
100000 cycles 5 A 30 V DC resistive
200000 cycles 5 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
2500 V DC
Isolation between channels and bus
1780 Vrms AC for 1 minute
2500 V DC for 1 minute
Power dissipation
2.75 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)
8 LEDs (green) for input status
Bus current requirement
560 mA
Module format
Standard
Net Weight
0.7 lb(US) (0.3 kg)
Environment
Product Certifications
C-tick
GOST
GL
RMRS
FM Class 1 Division 2
ABS
DNV
RINA
Standards

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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
3595861127081
Returnability
Yes
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)
16.8 oz (475.0 g)

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