

Schneider Electric 140DAO84220

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discrete output module Modicon Quantum - 16 O - 20...56 V AC

140DAO84220

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

AC discrete output modules

Discrete output number

16

Complementary

Group of channels

4 groups of 4 channels

Supply frequency

47...63 Hz

maximum voltage drop

1.5 V

Discrete output voltage

20...56 V AC

Addressing requirement

1 output word

Absolute maximum output

100 Vrms 1 cycle AC

63 Vrms 10 s AC

111 Vrms 1.3 s AC

Maximum load current

16 A rms per module

4 A rms per group

4 A rms 20...56 V per output

Surge current

45 A during 1 cycle per group

25 A during 2 cycles per group

30 A during 3 cycles per group

DV/dt

400 V/ms

Response Time

≤ 0.5 ms at state 0 to state 1

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≤ 0.5 ms at state 1 to state 0

Fault indication

Blown fuse

Loss of field power

Protection Type

Internal by RC filter

Internal output protection by 5 A fuse

Power dissipation

$1.85 + (1.1 \text{ V} \times \text{total module load current})$

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

350 mA

Module format

Standard

Net Weight

0.99 lb(US) (0.45 kg)

Environment

Product Certifications

FM Class 1 Division 2

cUL

Standards

UL 508

CSA C22.2 No 142

Electromagnetic compatibility

Electrostatic discharge immunity test - test level: 4 kV (contact discharge) conforming to IEC 801-2

Electrostatic discharge immunity test - test level: 8 kV (air discharge) conforming to IEC 801-2

Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to 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

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<= 16404.2 ft (5000 m)

Ordering and shipping details

Category

US1PC2118155

Discount Schedule

PC21

GTIN

3595861126992

Returnability

No

Country of origin

FR

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)

22.7 oz (644.0 g)



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