

Schneider Service Manual

140CPS22400

3. Product Information

Schneider Electric 140CPS22400 Picture

power supply module Modicon Quantum - 24 V DC 20..30 V - redundant

140CPS22400

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Power supply module

Power supply type

Redundant

Complementary

Input voltage

24 V 20...30 V) DC

Input current

3800 mA

Inrush current

14 A 20 V

25 A 24 V

Maximum input power interruption

100 ms

1 ms 20 V

Associated fuse rating

5 A, slow-blow

Output voltage

5.1 V DC

Power supply output current

8 A redundant

Output overvoltage protection

Internal

Output overload protection

2.3 x maximum rated input voltage for 1.3 ms

Power dissipation

$6 + (1.8 \times I_{out})$ where I_{out} is in A

Alarm output

1 NC 6 A 220 V power supply fault

Local signalling

1 LED (green) for power (PWR OK)

Marking

CE

Module format

Standard

Net Weight

1.43 lb(US) (0.65 kg)

Environment

Standards

UL 508

CSA C22.2 No 142

Product Certifications

FM Class 1 Division 2

cUL

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

3595861000056

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)

29.6 oz (840.0 g)