

Schneider Service Manual

140CPS21100

3. Product Information

Schneider Electric 140CPS21100

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

140CPS21100

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Power supply module

Power supply type

Standalone

Complementary

Input voltage

24 V 20...30 V) DC

Input current

1600 mA

Inrush current

30 A

Maximum input power interruption

1 ms 20 V

20 ms 25 V

Associated fuse rating

2.5 A, slow-blow

Output voltage

5.1 V DC

Power supply output current

0.3...3 A standalone

Output overvoltage protection

Internal

Output overload protection

Internal

Power dissipation

$2 + (3 \times I_{out})$ where I_{out} is in A

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

cUL

FM Class 1 Division 2

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

3595861135222

Returnability

No

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)

25.7 oz (729 g)