

Schneider Service Manual

140CPS12420

3. Product Information

Schneider Electric 140CPS12420

power supply module Modicon Quantum - 115 V/230 V AC - redundant

140CPS12420

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Power supply module

Power supply type

Redundant

Complementary

Input voltage

115 V 93...138 V) AC 47...63 Hz

230 V 170...276 V) AC

Input current

1100 mA 115 V

600 mA 230 V

Inrush current

19 A 230 V

38 A 115 V

rated power in VA

130 VA

Associated fuse rating

2 A, slow-blow

Harmonic distortion

<= 10 % of fundamental rms value

Output voltage

5.1 V DC

Power supply output current

11 A 140 °F (60 °C) standalone

10 A 140 °F (60 °C) redundant

Output overvoltage protection

Internal

Output overload protection

Internal

Power dissipation

6 + (1.5 x Iout) where Iout 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

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
3595862017114
Returnability
No
Country of origin
CN
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
2.01 in (5.1 cm)
Package 1 Width
6.77 in (17.2 cm)
Package 1 Length
12.52 in (31.8 cm)
Package weight(Lbs)
26.6 oz (753 g)