Product data sheet

Specifications

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

140CPS21400

⚠ **Discontinued on:** Dec 31, 2022

⚠ **To be end-of-service on:** Dec 31, 2030

⚠ **Discontinued**

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Power supply module
Power Supply Type	Summable

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 summable
Output Overvoltage Protection	Internal
Output Overload Protection	Internal
Power Dissipation	6 + (1.8 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	0.65 kg

Environment

Standards	CSA C22.2 No 142 UL 508
Product Certifications	cUL FM Class 1 Division 2
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80…2000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0…60 °C

List Price displayed is VAT EXCLUSIVE.

Ambient Air Temperature For Storage	-40…85 °C
Relative Humidity	95 % without condensation
Operating Altitude	<= 5000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.83 cm
Package 1 Width	16.51 cm
Package 1 Length	31.5 cm
Package 1 Weight	0.79 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6169 g
Unit Type Of Package 3	P12
Number Of Units In Package 3	168
Package 3 Height	95 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	157056 g

Contractual warranty

Warranty	18 months

Life Is On | Schneider Electric

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Eu Rohs Directive   Pro-active compliance (Product out of EU RoHS legal scope)

EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile   End of Life Information

Dimensions Drawings

Racks for Modules Mounting
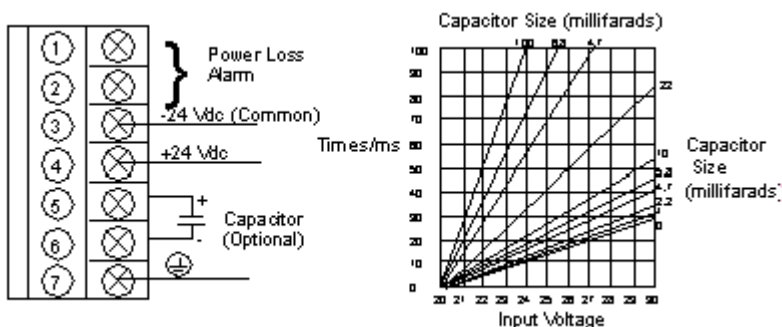
Dimensions of Modules and Racks

(1)   2 slots

(2)   3 slots

(3)   4 slots

(4)   6 slots

(5)   10 slots

(6)   16 slots

Life Is On   **Schneider** Electric

Connections and Schema

24 Vdc/8 A Summable Power Supply Module

Wiring Diagram and Hold-up Capacitor Timing Chart

NOTE: A normally closed relay contact rated at 220 Vac, 6A / 30 Vdc, 5A is available on terminals 1 and 2 of the power terminal strip. This contact set may be used to signal input power OFF. The relay will de-energize when input power drops below 8 Vdc.