

Product data sheet

Specifications



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

140CPS21400

! Discontinued - Service only

! Discontinued on: Sep 15, 2023

! To be end-of-service on: Dec 31, 2024

Product availability: Stock - Normally stocked in distribution facility

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	for power (PWR OK) 1 LED (green)
Marking	CE
Module Format	Standard
Net Weight	1.43 lb(US) (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 IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80...2000 MHz IEC 801-3

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	3595861000049
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.90 in (4.83 cm)
Package 1 Width	6.50 in (16.51 cm)
Package 1 Length	12.40 in (31.5 cm)
Package 1 Weight	1.74 lb(US) (0.79 kg)
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	217.60 oz (6169 g)
Unit Type Of Package 3	P12
Number Of Units In Package 3	168
Package 3 Height	37.40 in (95 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	47.24 in (120 cm)
Package 3 Weight	5539.89 oz (157056 g)

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ 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-CO₂ 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 >](#)

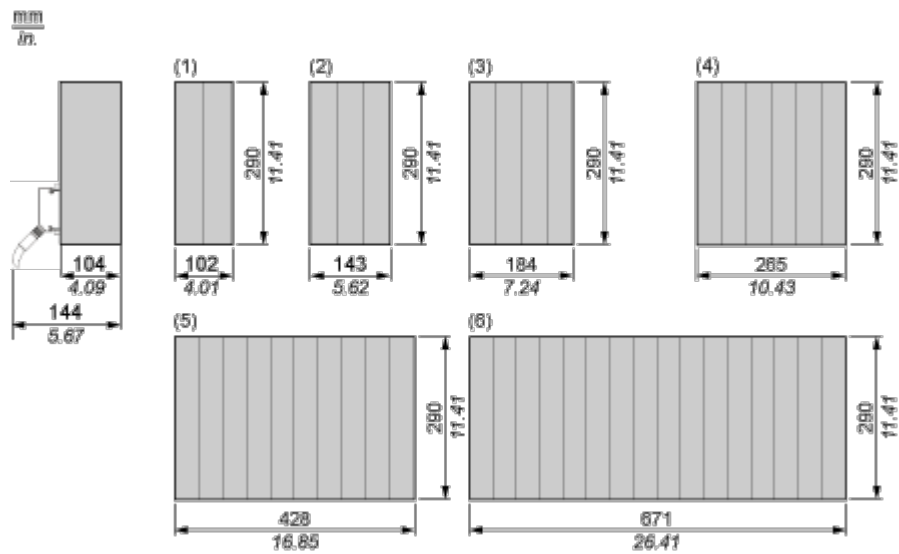
Well-being performance

 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
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

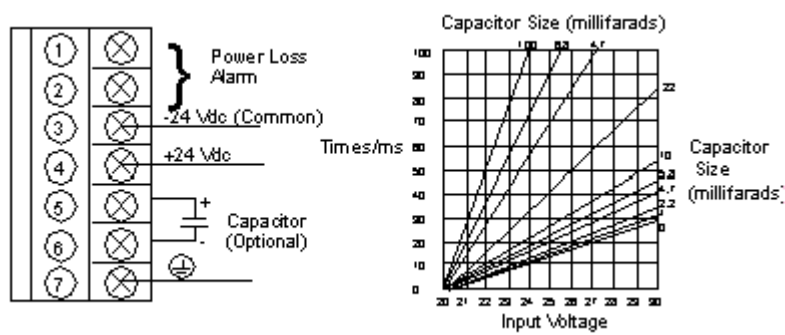


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

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.