Product data sheet

Specifications



Discontinued - Service only

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

140CPS12420

Discontinued on: Jan 15, 2023

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

Product availability: Non-Stock - Not normally stocked in distribution facility

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
Product 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

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

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	2.008 in (5.1 cm)
Package 1 Width	6.8 in (17.2 cm)
Package 1 Length	12.5 in (31.8 cm)
Package weight(Lbs)	26.6 oz (753 g)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

SCIP Number	B9f7af54-f48c-4264-b9ca-0abb9b59c3ab
EU RoHS Directive	Compliant
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

Use Longer

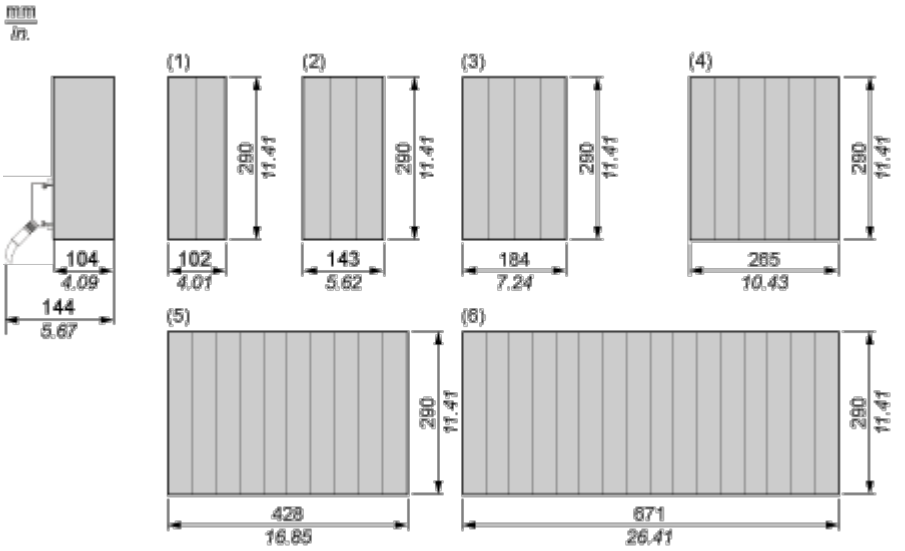
Lifetime extension

Repair	No

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



(1) 2 slots

(2) 3 slots

(3) 4 slots

(4) 6 slots

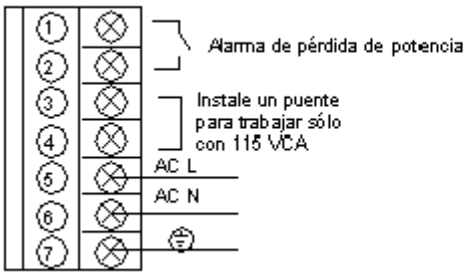
(5) 10 slots

(6) 16 slots

Connections and Schema

115/230 Vac, 11 A Redundant Power Supply Module

Wiring Diagram



NOTE: A normally closed relay contact rated at 220 Vac, 6 A / 30 Vdc, 5 A 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.