

Product datasheet

Specifications



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

140CPS12420

! To be discontinued

! Discontinued on: 31 Dec 2022

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

Price: 36,306.35 ZAR

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 at 115 V 600 mA at 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 60 °C standalone 10 A 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	0.65 kg

Environment

Standards	UL 508 CSA C22.2 No 142
Product Certifications	cUL
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0...60 °C
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	5.1 cm
Package 1 Width	17.2 cm
Package 1 Length	31.8 cm
Package 1 Weight	753 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 >](#)

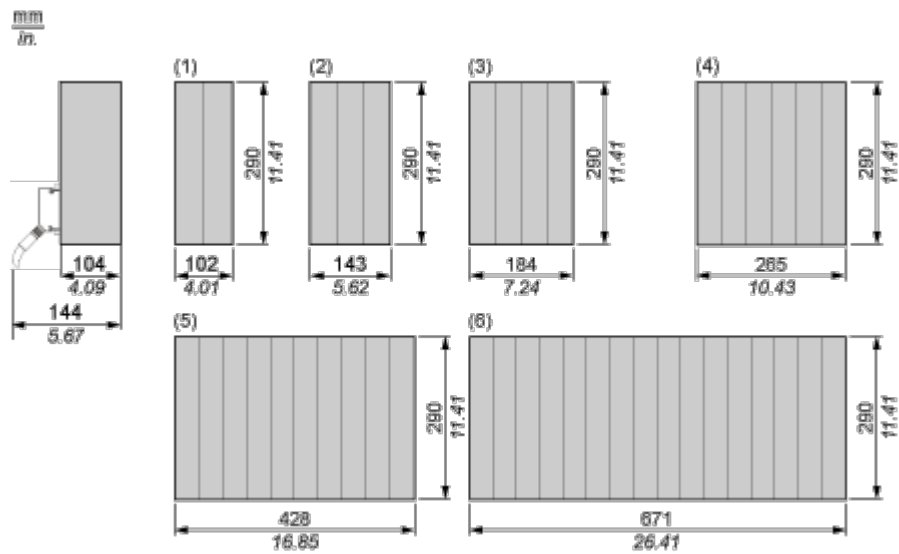
Well-being performance

	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

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

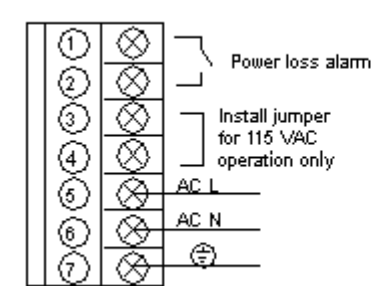


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

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.