

# Product data sheet

Specifications



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

140CPS12420C

⚠ Discontinued on: 31 December 2021

⚠ To be end-of-service on: 31 December 2029

⚠ Discontinued - Service only

### 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

Protective treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508
Product certifications	cUL

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
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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	800.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.9 kg

### Offer Sustainability

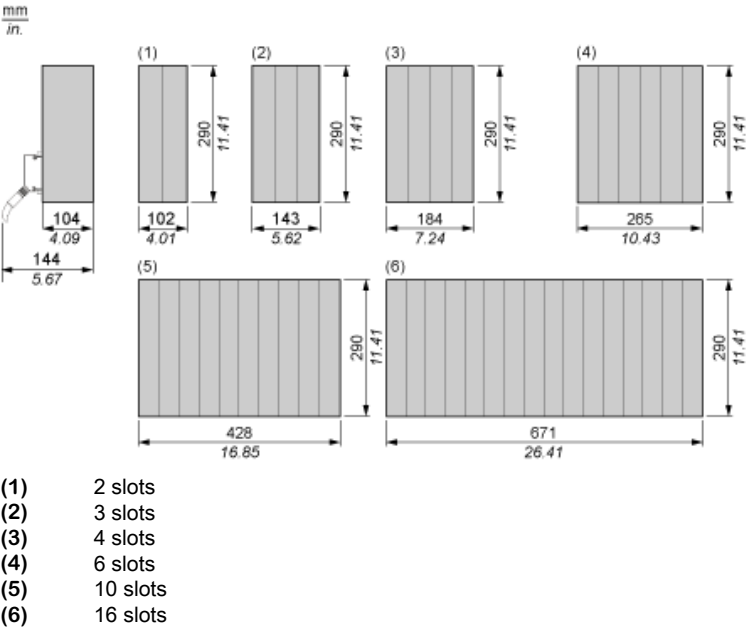
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Contractual warranty

Warranty	18 months
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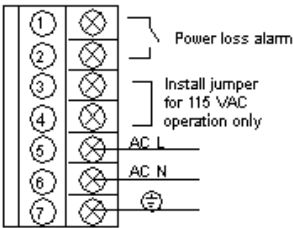
Racks for Modules Mounting

Dimensions of Modules and Racks



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.

Recommended replacement(s)

140CPS12420C is replaced by:

1x



power supply module X80 - 100..240 V AC - for severe environments  
BMXCPS4002H