Product data sheet

Specifications



To be discontinued

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

140CPS12420

To be discontinued on: 31 December 2022

To be end-of-service on: 31 December 2030

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

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 Weight	753.0 g
Package 1 Height	5.1 cm
Package 1 width	17.2 cm
Package 1 Length	31.8 cm
Unit Type of Package 2	P12
Number of Units in Package 2	168
Package 2 Weight	147504.0 g
Package 2 Height	95 cm
Package 2 width	80 cm
Package 2 Length	120 cm
Unit Type of Package 3	S03
Number of Units in Package 3	7
Package 3 Weight	5771.0 g
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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 www.P65Warnings.ca.gov

Contractual warranty

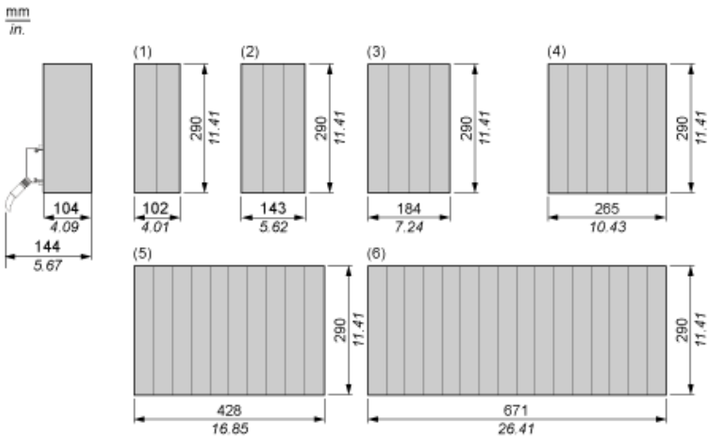
Warranty	18 months

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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



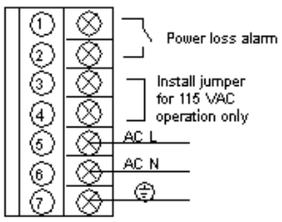
(1) 2 slots
(2) 3 slots
(3) 4 slots
(4) 6 slots
(5) 10 slots
(6) 16 slots

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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.

Recommended replacement(s)

140CPS12420 is replaced by:

1x 

power supply module X80 - 100..240 V AC

BMXCPS4002