

Product data sheet

Specifications



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

! To be discontinued

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	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	for power (PWR OK) 1 LED (green)
Marking	CE
Module format	Standard
Net 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
Resistance to electromagnetic fields	9.14 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	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	3595862017114
Nbr. of units in pkg.	1
Package weight(Lbs)	26.56 oz (753.0 g)
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.01 in (5.1 cm)
Package 1 width	6.77 in (17.2 cm)
Package 1 Length	12.52 in (31.8 cm)
Unit Type of Package 2	P12
Number of Units in Package 2	168
Package 2 Weight	5202.96 oz (147504.0 g)
Package 2 Height	37.40 in (95 cm)
Package 2 width	31.50 in (80 cm)
Package 2 Length	47.24 in (120 cm)
Unit Type of Package 3	S03
Number of Units in Package 3	7
Package 3 Weight	203.56 oz (5771.0 g)
Package 3 Height	11.81 in (30 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

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
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

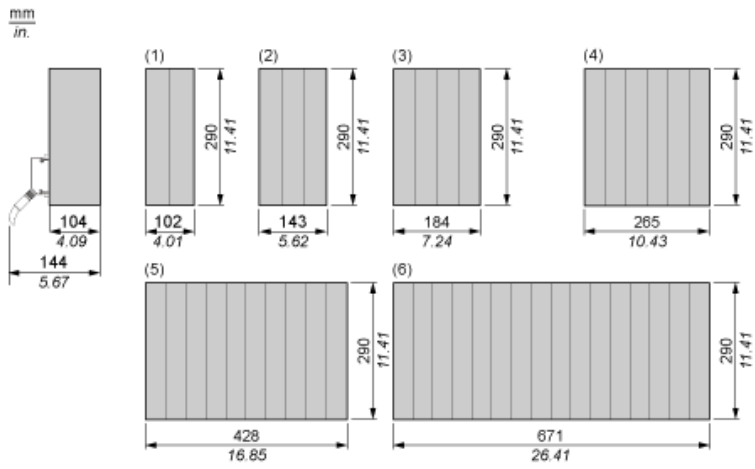
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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Racks for Modules Mounting

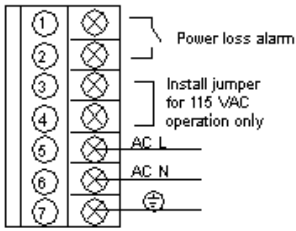
Dimensions of Modules and Racks



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

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