

# Product data sheet

Specifications



## power supply module Modicon Quantum - 24 V DC 20..30 V - redundant

140CPS22400

! Discontinued on: 31 December 2022

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

! 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	24 V 20...30 V) DC
Input current	3800 mA
Inrush current	14 A 20 V 25 A 24 V
Maximum input power interruption	100 ms 1 ms 20 V
Associated fuse rating	5 A, slow-blow
Output voltage	5.1 V DC
Power supply output current	8 A redundant
Output overvoltage protection	Internal
Output overload protection	2.3 x maximum rated input voltage for 1.3 ms
Power dissipation	$6 + (1.8 \times I_{out})$ where $I_{out}$ 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	FM Class 1 Division 2 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	3595861000056
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.42 in (16.3 cm)
Package 1 Width	1.77 in (4.5 cm)
Package 1 Length	12.28 in (31.2 cm)
Package 1 Weight	29.63 oz (840.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	14.07 lb(US) (6.38 kg)

## Offer Sustainability

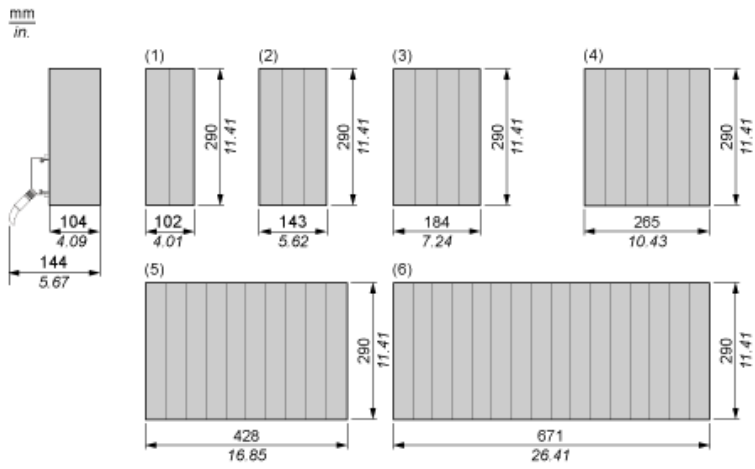
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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>
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.

## Contractual warranty

Warranty	18 months
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**Racks for Modules Mounting**

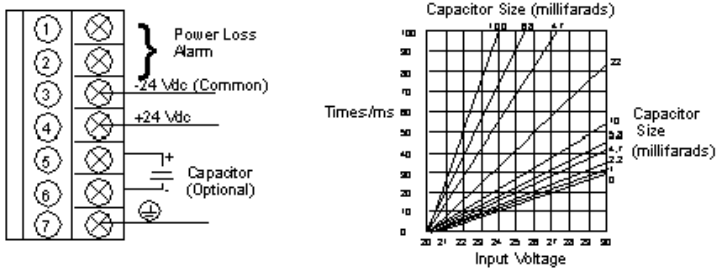
**Dimensions of Modules and Racks**



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

**24 Vdc/8 A Redundant Power Supply Module**

**Wiring Diagram and Hold-up Capacitor Timing Chart**



NOTE: A normally closed relay contact rated at 220 Vac, 6A / 30 Vdc, 5A is available on terminals 1 and 2 of the power terminal strip. This contact set may be used to signal input power OFF, or a power supply failure. The relay will de-energize when input power drops below 8 Vdc.

**Recommended replacement(s)**

140CPS22400 is replaced by:

1x



redundant power supply module, Modicon X80, 24 to 48V DC  
BMXCPS4022