

Product data sheet

Specifications



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

140CPS21400

! To be discontinued on: 31 December 2022

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

! To be discontinued

Main

Range of product Modicon Quantum automation platform

Product or component type Power supply module

Power supply type Summable

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 summable

Output overvoltage protection Internal

Output overload protection Internal

Power dissipation 6 + (1.8 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 CSA C22.2 No 142
UL 508

Product certifications cUL
FM Class 1 Division 2

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	4.83 cm
Package 1 Width	16.51 cm
Package 1 Length	31.5 cm
Package 1 Weight	0.79 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6169 g
Unit Type of Package 3	P12
Number of Units in Package 3	168
Package 3 Height	95 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	157056 g

Offer Sustainability

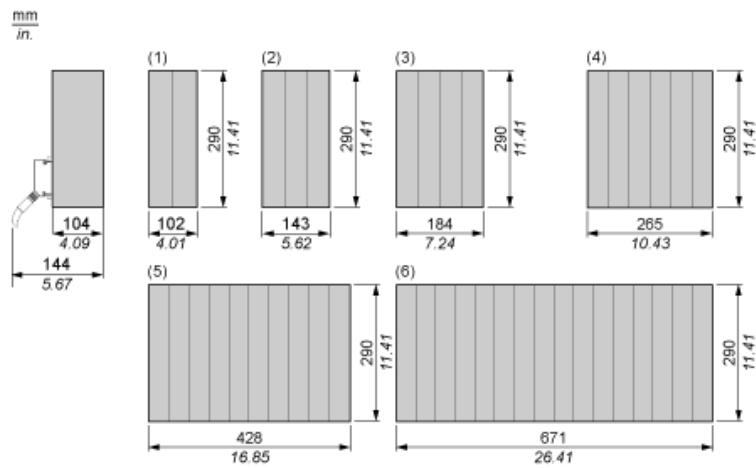
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product 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

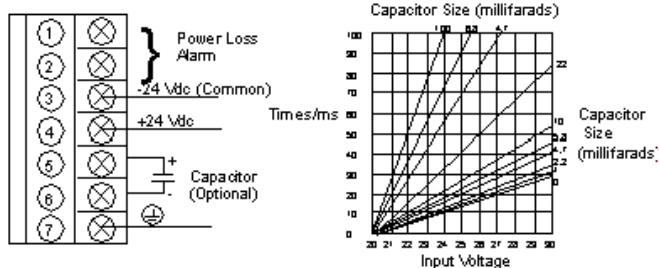
Warranty	18 months
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Racks for Modules Mounting

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 Summable 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. The relay will de-energize when input power drops below 8 Vdc.

Recommended replacement(s)

140CPS21400 is replaced by:

1x



power supply module X80 - 24..48 V DC - 31.2 W
BMXCP3020