

# Product data sheet

Specifications



## power supply module Modicon Quantum - 48..60 V DC - summable

140CPS41400

! 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	48...60 V (48...60 V) DC
Input current	3800 mA
Inrush current	14 A 40 V
Maximum input power interruption	13 ms 48 V
Associated fuse rating	2 A, time-lag
Output voltage	5.1 V DC
Power supply output current	8 A summable
Output overvoltage protection	Internal
Output overload protection	Internal
Power dissipation	15.6 W
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
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	815.0 g
Package 1 Height	16.3 cm
Package 1 width	4.5 cm
Package 1 Length	31.2 cm
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Weight	2.04 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	S03
Number of Units in Package 3	7
Package 3 Weight	6.2 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

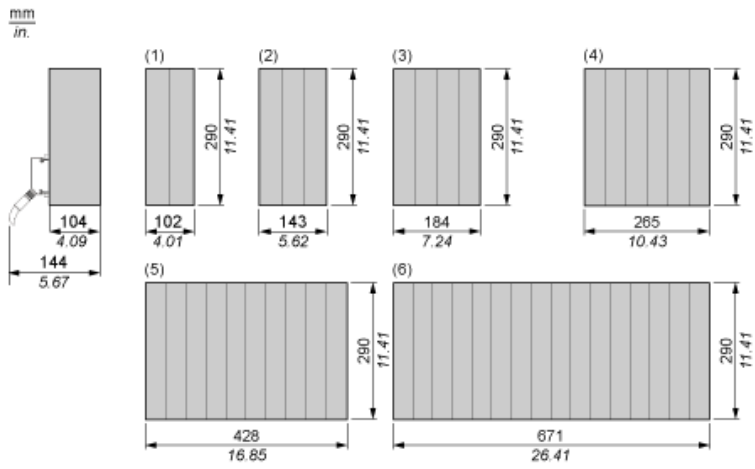
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</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**

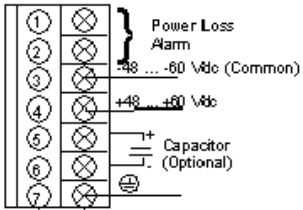
**Dimensions of Modules and Racks**



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

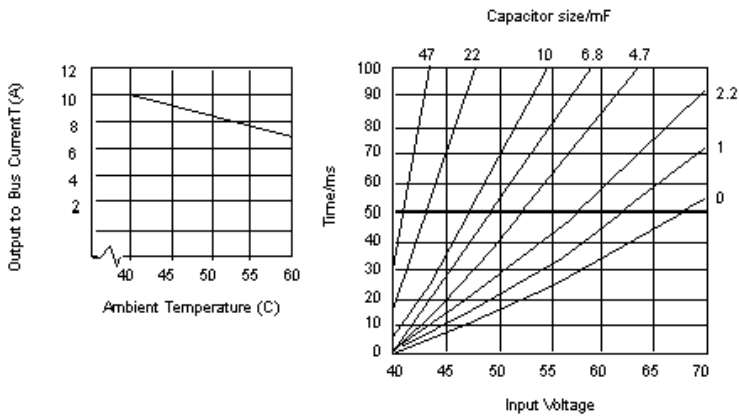
**48 Vdc/8 A Summable Power Supply Module**

**Wiring Diagram**



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.

**Operating Curve and Hold-up Capacitor Timing Chart**



NOTE: Tolerance to input interruptions may be increased by adding a  $\geq 80$  Vdc electrolytic capacitor between 5 and 6 of the power terminal strip. Refer to the hold-up capacitor timing chart (above) for capacitor values.

**Recommended replacement(s)**

140CPS41400 is replaced by:

1x



power supply module X80 - 24..48 V DC - 31.2 W  
BMXCPS3020