Product datasheet
Characteristics

140CPS22400

Main

Range of product	Modicon Quantum automation platform
Product or component type	Power supply module
Power supply type	Redundant

Complementary

Input voltage	24 V DC 20...30 V
Input current	<= 3800 mA
Inrush current	14 A 20 V 25 A 24 V
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 x Iout) where Iout is in A
Alarm output	1 NC 6 A 220 V power supply fault
Local signalling	1 LED green power (PWR OK)
Marking	CE
Module format	Standard
Product weight	1.43 lb(US) (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	9.14 V/yd (10 V/m) 80...2000 MHz conforming to 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)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0901 - Schneider Electric declaration of conformity	Compliant - since 0901 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available

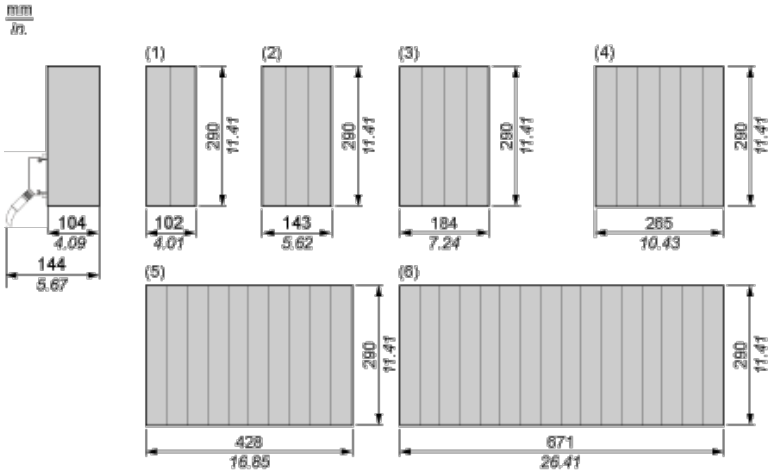
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds which is 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	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

Racks for Modules Mounting

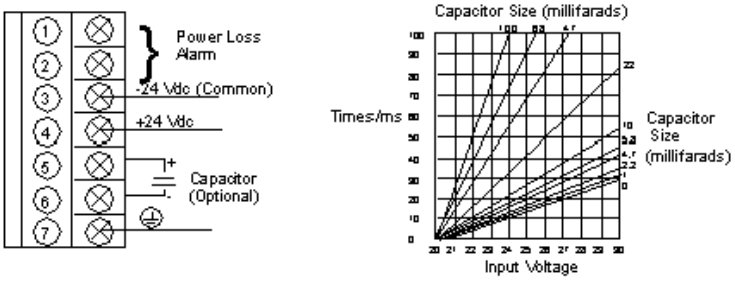
Dimensions of Modules and Racks



(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.