



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	25 A 24 V 14 A 20 V
Input power interruption	1 ms 20 V <= 100 ms
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 I _{out}) where I _{out} 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	0.65 kg

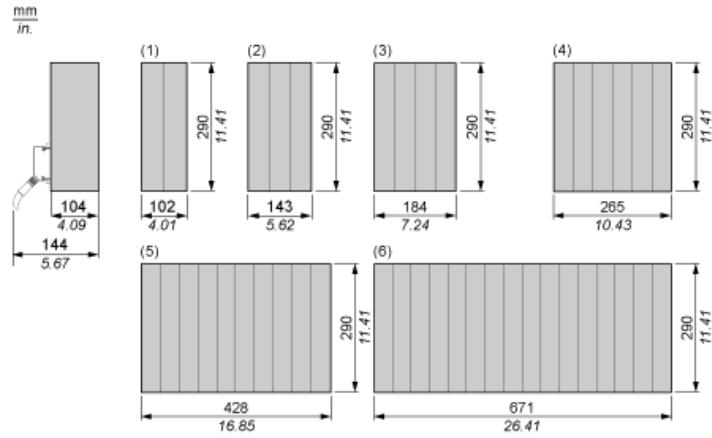
Environment

Standards	CSA 22-2 No 142 UL 508
Product certifications	CUL FM Class 1 Division 2
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact 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

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Racks for Modules Mounting

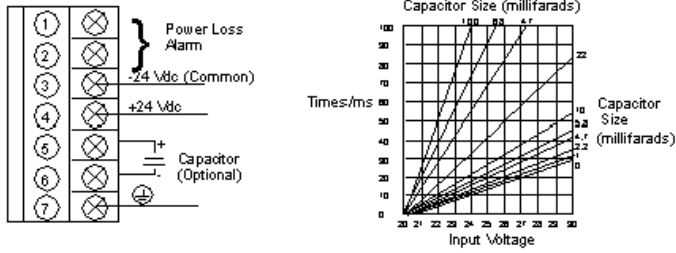
Dimensions of Modules and Racks



- (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.