



## 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 x I <sub>out</sub> ) where I <sub>out</sub> 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	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2[RETURN]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 Height	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	840.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.38 kg

## Offer Sustainability

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

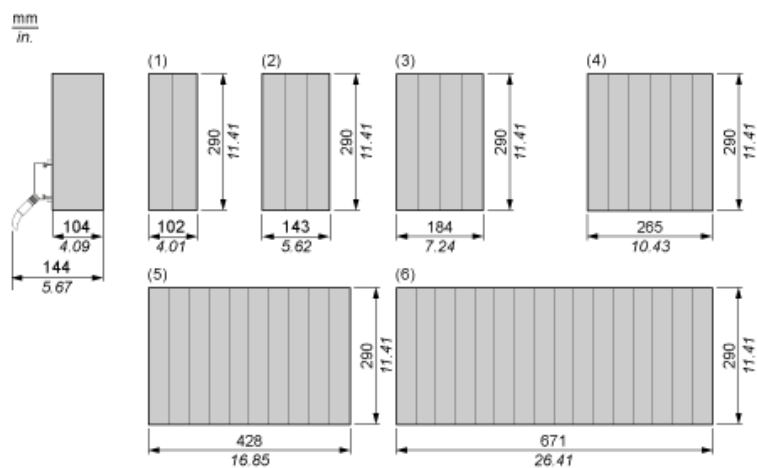
## Contractual warranty

Warranty	18 months
----------	-----------



## Racks for Modules Mounting

### Dimensions of Modules and Racks

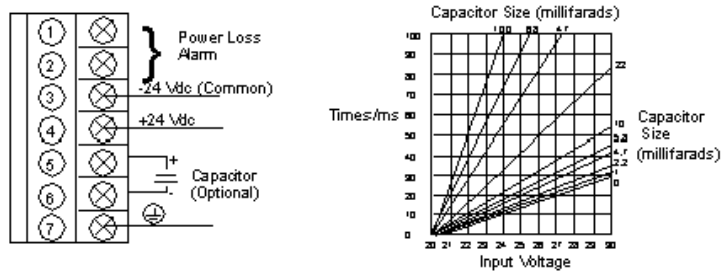


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots



## 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.