



Main

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

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 redundant
Output overvoltage protection	Internal
Output overload protection	Internal
Power dissipation	17.2 W
Alarm output	1 NC 6 A 220 V power supply fault
Local signalling	Power (PWR OK) 1 LED green)
Marking	CE
Module format	Standard
Net Weight	1.43 lb(US) (0.65 kg)

Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	CUL
Resistance to electrostatic discharge	4 KV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80...2000 MHz 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)

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901169864
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)

Returnability	No
Country of origin	CN

Packing Units

Package 1 Height	1.77 in (45.000 mm)
Package 1 width	6.50 in (165.000 mm)
Package 1 Length	12.60 in (320.000 mm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
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.

Contractual warranty

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

Racks for Modules Mounting

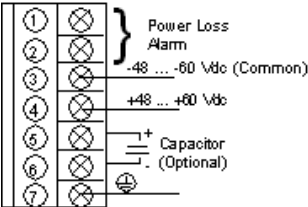
Dimensions of Modules and Racks



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

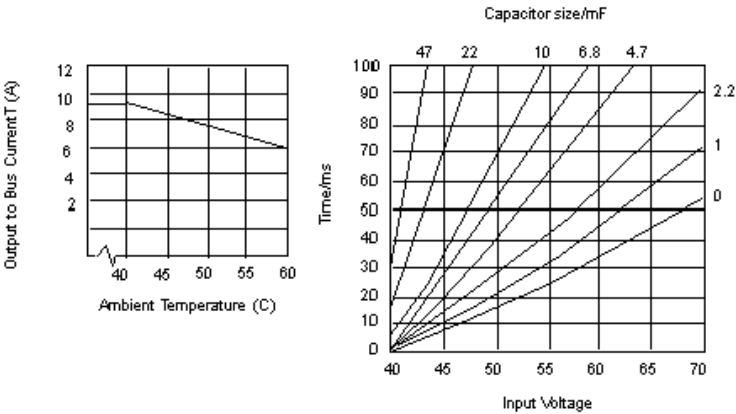
48 Vdc/8 A Redundant Power Supply Module

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 ≥ 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.