

power supply module Modicon Quantum - 115 V/230 V AC redundant

140CPS12420

! Discontinued on: 14-Apr-2023

! To be end-of-service on: 31-Dec-2030

S Biscontinued Service only

Main

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

Complementary

| Input voltage | 115 V (93138 V) AC 4763 Hz 230 V (170276 V) AC | |
|-------------------------------|---|--|
| Input current | 1100 mA at 115 V 600 mA at 230 V | |
| Inrush current | 19 A 230 V 38 A 115 V | |
| Rated power in VA | 130 VA | |
| Associated fuse rating | 2 A, slow-blow | |
| Harmonic distortion | <= 10 % of fundamental rms value | |
| Output voltage | 5.1 V DC | |
| Power supply output current | 11 A 60 °C standalone 10 A 60 °C redundant | |
| Output overvoltage protection | Internal | |
| Output overload protection | Internal | |
| Power dissipation | 6 + (1.5 x lout) where lout 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 | |
| Product 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 802000 MHz conforming to IEC 801-3 | |

| Ambient air temperature for operation | 060 °C | |
|---------------------------------------|---------------------------|--|
| Ambient air temperature for storage | -4085 °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 | 5.1 cm |
| Package 1 Width | 17.2 cm |
| Package 1 Length | 31.8 cm |
| Package 1 Weight | 753 g |

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

| SCIP Number | B9f7af54-f48c-4264-b9ca-0abb9b59c3ab |
|-----------------------|--------------------------------------|
| China RoHS Regulation | China RoHS declaration |

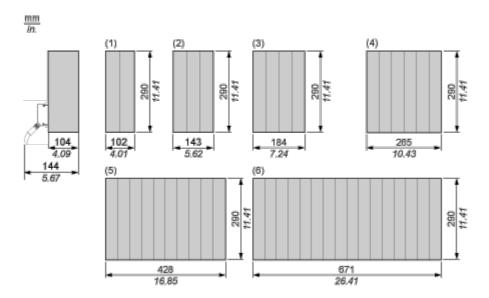
Use Again

| ○ Repack and remanufacture | |
|----------------------------|---|
| 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 |

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



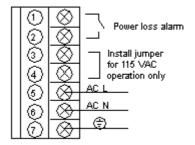
- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

115/230 Vac, 11 A Redundant Power Supply Module

Wiring Diagram

10-Feb-2025



NOTE: A normally closed relay contact rated at 220 Vac, 6 A / 30 Vdc, 5 A is available on terminals 1 and 2 of the power terminal strip. This contact set may be used to signal input power OFF. The relay will de-energize when input power drops below 8 Vdc.