

Product data sheet

Specifications



Modicon Quantum, programmable logic controller, power supply, 115/230 VAC

140CPS11420

! Discontinued on: 15 January 2023

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

! Discontinued - Service only

Main

| | |
|---------------------------|-------------------------------------|
| Range of Product | Modicon Quantum automation platform |
| Product or Component Type | Power supply module |
| Power supply type | Summable or standalone |

Complementary

| | |
|-------------------------------|--|
| Input voltage | 115 V 93...132 V) AC 47...63 Hz 230 V 170...276 V) AC |
| Input current | 1300 mA 115 V 750 mA 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 140 °F (60 °C) standalone 20 A 140 °F (60 °C) summable |
| Output overvoltage protection | Internal |
| Output overload protection | Internal |
| Power dissipation | 6 + (1.5 x Iout) where Iout is in A |
| Alarm output | 1 NC 6 A 220 V power supply fault |
| Local signalling | for power (PWR OK) 1 LED (green) |
| Marking | CE |
| Module format | Standard |
| Net Weight | 1.43 lb(US) (0.65 kg) |

Environment

| | |
|---------------------------------------|---|
| Standards | UL 508 CSA C22.2 No 142 |
| 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 | 3595862017107 |
| Returnability | No |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|-----------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.77 in (4.49 cm) |
| Package 1 Width | 6.42 in (16.3 cm) |
| Package 1 Length | 12.24 in (31.08 cm) |
| Package 1 Weight | 27.70 oz (785.4 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 7 |
| Package 2 Height | 11.81 in (30 cm) |
| Package 2 Width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Package 2 Weight | 216.35 oz (6133.5 g) |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 168 |
| Package 3 Height | 37.40 in (95 cm) |
| Package 3 Width | 31.50 in (80 cm) |
| Package 3 Length | 47.24 in (120 cm) |
| Package 3 Weight | 5509.84 oz (156204 g) |

Offer Sustainability

| | |
|----------------------------|---|
| 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 |
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| 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.

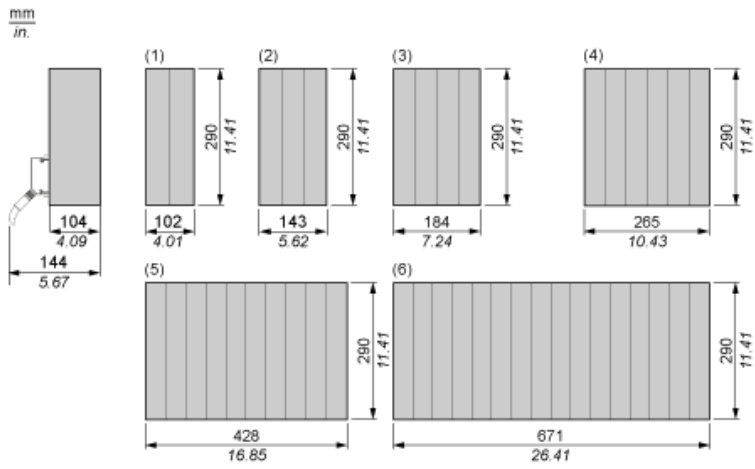
Contractual warranty

Warranty

18 months

Racks for Modules Mounting

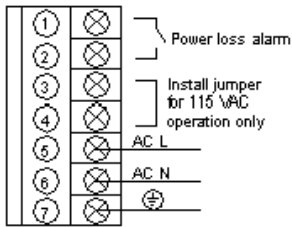
Dimensions of Modules and Racks



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

115/230 Vac, 11 A Summable Power Supply Module

Wiring Diagram



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.

Recommended replacement(s)

140CPS11420 is replaced by:

1x



power supply module, Modicon X80, 100 to 240V AC
BMXCPS4002