Product data sheet

Specifications

power supply module Modicon Quantum - 24 V DC 20..30 V - standalone

140CPS21100C

⊙ **Discontinued on:** Dec 31, 2021

⊙ **Discontinued - Service only**

⊙ **To be end-of-service on:** Dec 31, 2029

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Power supply module
Power Supply Type	Standalone

Complementary

Input Voltage	24 V (20...30 V) DC
Input Current	1600 mA
Inrush Current	30 A
Maximum Input Power Interruption	1 ms 20 V 20 ms 25 V
Associated Fuse Rating	2.5 A, slow-blow
Output Voltage	5.1 V DC
Power Supply Output Current	0.3…3 A standalone
Output Overvoltage Protection	Internal
Output Overload Protection	Internal
Power Dissipation	2 + (3 x Iout) where Iout is in A
Local Signalling	1 LED (green) for power (PWR OK)
Marking	CE
Module Format	Standard
Net Weight	0.65 kg

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508
Product Certifications	FM Class 1 Division 2 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

List Price displayed is VAT EXCLUSIVE.

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	740.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.906 kg

Contractual warranty

Warranty	18 months

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Guide to assess a product's sustainability ›

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Eu Rohs Directive   Pro-active compliance (Product out of EU RoHS legal scope)

                                      EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Circularity Profile   End of Life Information

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

mm
in.

(1) 290 11.41 104 4.09 144 5.67

(2) 102 4.01 290 11.41

(3) 143 5.62 290 11.41

(4) 184 7.24 290 11.41

265 10.43 290 11.41

(5) 428 16.85 290 11.41

(6) 671 26.41 290 11.41

(1) 2 slots

(2) 3 slots

(3) 4 slots

(4) 6 slots

(5) 10 slots

(6) 16 slots

Connections and Schema

24 Vdc/3 A Power Supply Module

Wiring Diagram

Terminal	Description
1	Not used
2	Not used
3	-24 Vdc (Common)
4	+24 Vdc
5	Not used
6	Not used
7	(ground)