

Schneider Series Service Manual

140CPS11420C

1. Description

The Schneider Electric 140CPS11420C is a modular power supply designed for the Modicon Quantum series. Operating at input voltages of 115 or 230 VAC, this unit outputs a DC voltage of 5.1 V and supports a maximum output current of 11 A.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Power Supply Module
Product	Line Modicon Quantum
Part	Number 140CPS11420C
EAN	3595862055925
Input	Voltage 115/230 VAC
Output	Voltage 5.1 VDC
Input	Current 1300 mA at 115 V, 750 mA at 230 V
Inrush	Current 38 A at 115 V, 19 A at 230 V
Rated	Power 130 VA
Output	Current 11 A
Relay	Contact Normally closed, rated at 220 VAC, 6 A / 30 VDC, 5 A
Operating	Temperature Range 0 to 60 °C

3. Product Information

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Technical specifications for 140CPS11420C

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Rated Power 130 VA

Output Current 11 A

Relay Contact Normally closed, rated at 220 VAC, 6 A / 30 VDC, 5 A

Operating Temperature Range 0 to 60 °C

Description

The 140CPS11420C, a power supply module from Schneider Electric’s Modicon Quantum series, is engineered for flexibility with input voltage options of 115/230 VAC. This power supply delivers a consistent output voltage of 5.1 VDC and is rated to provide an output current of 11 A, suitable for various applications.

When configured to operate at 115 V, the input current reaches 1300 mA. In contrast, with 230 V, the input current is reduced to 750 mA. Initial inrush current draws are notable at 38 A and 19 A for 115 V and 230 V respectively, indicating the module’s capability to handle high startup demands. The module has a rated power of 130 VA.

Relay contacts come as normally closed units, rated for 220 VAC at 6 A or 30 VDC at 5 A, providing essential switching functions that enhance operational control. Measuring at 40 mm in width, 250 mm in height, and 104 mm in depth, the module maintains a compact profile suited for space-constrained environments. Weighing 1.5 kg or 3.3 lbs, it is manageable for installation. Operating within a temperature range of 0 to 60 °C, the 140CPS11420C is designed for reliable performance across varied conditions.