

Schneider Series Service Manual

140CPS12420C

1. Description

Schneider Electric's 140CPS12420C is a power supply module designed for use in Modicon Quantum systems. This product operates within a voltage range of 115 to 230 V and has a rated output of 5.1 V DC.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon Quantum
Part	Number 140CPS12420C
EAN	3595862055932
Product	Power Supply Module
Input	Voltage 115 V to 230 V
Input	Current 1100 mA
Inrush	Current 19/38 A
Rated	Power 130 VA
Associated	Fuse Rating 2A, slow-blow
Output	Voltage 5.1 V DC
Alarm	Output 1 NC 6 A 220 V power supply fault
Local	Signalling for power (PWR OK) 1 LED (green)
Output	Overvoltage Protection Internal

3. Product Information

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Technical specifications for 140CPS12420C

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Alarm Output 1 NC 6 A 220 V power supply fault

Local Signalling for power (PWR OK) 1 LED (green)

Output Overvoltage Protection Internal

Description

The 140CPS12420C model from Schneider Electric is classified as a power supply module, intended for integration with the Modicon Quantum series. This component can accept an input voltage in the range of 115 V to 230 V and operates at an input current of 1100 mA. It possesses an inrush current rating of 19/38 A, providing necessary power during startup. This power supply has a rated power output of 130 VA, delivering stable performance for connected devices. The output voltage provided by this module is 5.1 V DC, making it suitable for specific applications within the Modicon systems. The associated fuse rating for the device is specified at 2A, utilizing a slow-blow type to accommodate potential peak currents without nuisance tripping.

Weighing 0.65 kg, the module is manageable for installation and integration. An alarm output feature is included, capable of signaling power supply faults with a normally closed (NC) contact rated for 6 A at 220 V. To facilitate ease of monitoring, the device incorporates a local signaling LED that lights up green to indicate proper power operation (PWR OK). Additionally, the module includes internal provisions for output overvoltage protection, ensuring that connected equipment is safeguarded against voltage spikes.