

# Schneider 140CPS42400C Manual

|                |                     |
|----------------|---------------------|
| Brand          | Schneider           |
| Product Series | Schneider           |
| Product Type   | Power Supply Module |

## Description

The 140CPS42400C from Schneider Electric's Modicon Quantum series is a power supply module designed for robust industrial applications. Featuring an input voltage range of 48 to 60 V DC, it provides a steady output voltage of 5.1 V DC.

Technical specifications for 140CPS42400C

Manufacturer Schneider Electric

Product Type Power Supply Module

Product Line Modicon Quantum

Part Number 140CPS42400C

EAN 3595861137172

Fuse Rating 2 A time-lag

Hold-up Time 13 ms @ 48 V

Input Voltage 48–60 V DC

Overvoltage Protection Internal

Output Voltage 5.1 V DC

Local Signaling 1 green LED (PWR OK)

Overload Protection Internal

Output Current 8 A redundant

Inrush Current 14 A @ 40 V

Input Current  $\leq 3.8$  A

Alarm Output 1 NC, 6 A @ 220 V

Power Dissipation 17.2 W

Marking CE

[www.AutoDCSTech.com](http://www.AutoDCSTech.com)

## Description

The Schneider Electric 140CPS42400C power supply module belongs to the Modicon Quantum series. It is engineered to accommodate input voltages between 48 and 60 V DC. The module maintains a consistent output voltage of 5.1 V DC to support various applications. A time-lag fuse rated at 2 A ensures adequate protection against short circuits and other faults.

One of the key features of this module is its hold-up time of 13 ms at 48 V, allowing it to maintain output stability during brief interruptions in power. Internal mechanisms are set for both overload and overvoltage protection, enhancing reliability in demanding environments. The module is capable of delivering a redundant output current of up to 8 A, which is essential for applications that require fail-safe operations.

When activated, a green LED indicator provides local status signaling, showing that the power is operational. The input current drawn by the module does not exceed 3.8 A, while it can handle an inrush current of 14 A at 40 V during power-up. It also features an alarm output rated at 6 A at 220 V, which can signal abnormal conditions. The power dissipation during operation is registered at 17.2 W, facilitating efficient thermal management.

Additionally, the module is marked with the CE certification, confirming compliance with European safety and performance standards.

This design ensures that the 140CPS42400C can be integrated seamlessly into industrial automation systems, maintaining robust power supply functions under various load conditions.

## Technical Specifications

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