

Schneider 140CPS41400C Manual

Brand	Schneider
Product Series	Schneider
Product Type	Power Supply Module

Description

The 140CPS41400C power supply module from Schneider Electric's Modicon Quantum series is engineered to deliver reliable voltage regulation. With an input range of 48 to 60 V DC, this unit supports stable operation in various environments.

Technical specifications for 140CPS41400C

Manufacturer Schneider Electric

Product Type Power Supply Module

Product Line Modicon Quantum

Part Number 140CPS41400C

EAN 3595861137165

Overvoltage Protection Internal

Input Voltage 48–60 V DC

Fuse Rating 2 A time-lag

Format Standard

Overload Protection Internal

Input Current ≤ 3.8 A

Output Voltage 5.1 V DC

Configuration Summable

Alarm Output 1 NC, 6 A @ 220 V

Inrush Current 14 A @ 40 V

Output Current 8 A summable

Local Signaling 1 green LED (PWR OK)

Input Hold-up Time 13 ms @ 48 V

Rated Power 15.6 W

Description

The Schneider Electric 140CPS41400C is designed as a power supply module, serving critical applications within the Modicon Quantum series. Supporting an input voltage range of 48 to 60 V DC, it effectively maintains power stability across various operating conditions. The module can manage an output voltage of 5.1 V DC while providing a maximum output current of 8 A in a summable configuration, allowing for flexibility in power distribution.

Equipped with internal protections against overvoltage and overload, this module efficiently safeguards its components and extends operational life. It utilizes a 2 A time-lag fuse rating to manage electrical surges.

During operation, the module requires an input current of up to 3.8 A and experiences an inrush current of 14 A at 40 V. The input hold-up time measured at 48 V is 13 ms, ensuring that power is maintained even during brief interruptions. Local signaling is provided by a green LED indicating power status (PWR OK).

For alarm signaling, this module supports one normally closed (NC) output rated for 6 A at 220 V. The standard format of the unit facilitates effortless integration into existing systems. Overall, the 140CPS41400C power supply module showcases reliability and efficiency in providing essential power supply functions.

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