

Schneider Series Service Manual

140CPS11400

1. Description

The Schneider Electric 140CPS11400 is a power supply module from the Modicon Quantum series. Designed for DIN rail mounting, it delivers a rated current of 8A and provides an output voltage of 24V DC within an operating temperature range of 0°C to 60°C.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Power Supply Module
Product	Line Modicon Quantum
Part	Number 140CPS11400
Weight	1.63 lbs (0.74 kg)
Mounting	Type DIN Rail
Rated	Current 8A
Operating	Temperature 0°C to 60°C
Cooling	Natural convection cooling
Input	Voltage 115/230 VAC
Protection	Short Circuit, Overload, Overvoltage
Certifications	UL, CE, CSA
Frequency	50/60 Hz
Output	Voltage 24 V DC (typical)
Protection	Class IP20 (Indoor use)
Maximum	Operating Humidity 80% RH without condensation
Maximum	Storage Humidity 80% RH without condensation
Description	The 140CPS11400 from Schneider Electric is a power supply module in the Modicon Quantum series that is designed for efficient operation in various industrial settings. This unit mounts easily on a DIN rail, making installation straightforward for panel builders and system integrators. Capable of supplying a rated current of 8A, the power supply operates effectively within a temperature spectrum from 0°C to 60°C. It provides a steady ou
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3. Product Information

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Technical specifications for 140CPS11400

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Maximum Operating Humidity 80% RH without condensation

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Description

The 140CPS11400 from Schneider Electric is a power supply module in the Modicon Quantum series that is designed for efficient operation in various industrial settings. This unit mounts easily on a DIN rail, making installation straightforward for panel builders and system integrators. Capable of supplying a rated current of 8A, the power supply operates effectively within a temperature spectrum from 0°C to 60°C. It provides a steady output voltage of approximately 24V DC, making it suitable for a range of control and automation tasks.

For input, this module can accept voltages of 115/230 VAC, accommodating standard electrical setups. It functions at frequencies of either 50 or 60 Hz, ensuring versatility across different applications. Furthermore, the design incorporates essential protection features. These include short circuit protection, overload protection, and overvoltage protection, which together help safeguard both the module and the connected devices from damage due to electrical anomalies.

The 140CPS11400 is constructed with a focus on durability and safety, earning certifications from UL, CE, and CSA. These certifications substantiate its suitability for use in various environments. With an IP20 protection class, it is intended for indoor use only, effectively shielding sensitive components from dust and other contaminants. The device can handle relative humidity levels of up to 80% without condensation, both during operation and while in storage, ensuring reliable performance in typical indoor conditions.