

Schneider Series Service Manual

140DAI34000C

1. Description

The 140DAI34000C from Schneider Electric serves as a discrete input module within the Modicon Quantum series. It features 16 input channels, operating at a voltage of 24 V AC while maintaining compliance with UL 508 and CSA standards.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Discrete input module
Product	Line Modicon Quantum
Part	Number 140DAI34000C
EAN	3595861135901
Input	Channels 16
Input	Voltage 24 V AC
Addressing	Requirement 1 input word
Input	Current 10.7 to 12 mA
Max	Leakage Current 1.9 mA
Bus	Current Requirement 180 mA
Max	Power Dissipation 5.5 W
Marking	CE
Format	Standard
Ambient	Temperature 0 to 60 °C
Standards	UL 508, CSA

3. Product Information

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Technical specifications for 140DAI34000C

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- Max Power Dissipation 5.5 W
- Marking CE
- Format Standard
- Ambient Temperature 0 to 60 °C
- Standards UL 508, CSA

Description

The Schneider Electric 140DAI34000C is designed as a discrete input module tailored for the Modicon Quantum series. This component incorporates 16 input channels that are compatible with a supply voltage of 24 V AC. When addressing the module, a singular input word is necessary. In terms of electrical performance, the device utilizes an input current that varies from 10.7 to 12 mA, ensuring reliable data acquisition from connected devices.

Moreover, this module has been engineered to handle a maximum leakage current of 1.9 mA, an important specification for minimizing unwanted signal interference. It requires a bus current of 180 mA to operate effectively, supporting its integration within broader control systems. The power dissipation rate reaches a ceiling of 5.5 watts, which guarantees efficient energy management while in use.

The presence of CE marking highlights compliance with European safety standards. It is formatted as a standard module, enabling straightforward compatibility with various setups. Constructed for durability, the 140DAI34000C operates efficiently across a specified ambient temperature range of 0 to 60 °C. Weighing approximately 0.3 kg, this module fits conveniently into various applications, adhering to regulatory standards such as UL 508 and CSA.