

Schneider Series Service Manual

140DAI74000C

1. Description

The 140DAI74000C discrete input module by Schneider Electric, part of the Modicon Quantum series, comprises 16 input channels and is designed for 230 VAC operation. It features a compact construction, conforming to both UL 508 and CSA standards, and offers reliable performance within a 0 to 60 °C temperature range.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Discrete input module
Product	Line Modicon Quantum
Part	Number 140DAI74000C
EAN	3595861135932
Input	Channels 16
Input	Voltage 230 VAC
Addressing	Requirement 1 input word
Input	Current 9.7 to 11.5 mA
Max	Leakage Current 2.6 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
Protective	Treatment Conformal coating

3. Product Information

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Technical specifications for 140DAI74000C

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Marking CE

Format Standard

Ambient Temperature 0 to 60 °C

Standards UL 508, CSA

Protective Treatment Conformal coating

Description

The Schneider Electric 140DAI74000C is a discrete input module belonging to the Modicon Quantum series. This module is capable of managing 16 input channels, allowing for efficient data acquisition. It operates at an input voltage of 230 VAC, making it compatible with various industrial systems. Addressing for this unit requires just one input word, simplifying integration into existing setups.

The input current specification ranges from 9.7 mA to 11.5 mA, with a stipulated maximum leakage current of 2.6 mA. This module is designed to draw a bus current of 180 mA, facilitating reliable communication within a controlled environment. Power dissipation is kept under control, with a maximum threshold of 5.5 watts to ensure operational efficiency. Constructed with a standard format, the 140DAI74000C weighs approximately 0.35 kg, ensuring lightweight deployment options. It can function efficiently within an ambient temperature range of 0 to 60 °C, accommodating various installation aspects. The unit adheres to industry standards such as UL 508 and CSA, underscoring its reliability and quality. Additionally, a conformal coating provides extra protective measures, enhancing the module's durability and performance in demanding conditions.