

Schneider Series Service Manual

170ADM35010C

1. Description

Designed for precise control and monitoring, the 170ADM35010C from Schneider Electric's Modicon Momentum series is a discrete I/O module. This unit supports 16 discrete input and output configurations, operating effectively at an input voltage of 24 V DC.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Discrete I/O Module
Product	Line Modicon Momentum
Part	Number 170ADM35010C
EAN	3595863798319
Input/Output	Type 16 DI / 16 DO
Input	Voltage 24 V DC
Network	Frequency 47-63 Hz
Output	Voltage <= 30 V DC
Protective	Treatment Conformal Coating (Humiseal 1A33)
Input/Output	Logic Positive
Current	Rating (Output) 0.5 A per Channel
Input	Resistance 4 kΩ
Operating	Temperature -40°C to +70°C
Output	Type Solid State Switch
Maximum	Operating Humidity 80% RH without condensation
Maximum	Storage Humidity 80% RH without condensation

3. Product Information

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Technical specifications for 170ADM35010C

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Output Type Solid State Switch

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Maximum Storage Humidity 80% RH without condensation

The Schneider Electric 170ADM35010C is a low-profile discrete I/O module tailored for efficient communication within the Modicon Momentum series. This module offers a configuration of 16 discrete digital inputs and outputs, enabling reliable data exchange in various applications. The unit operates at an input voltage of 24 V DC, making it suitable for modern electrical systems.

Network frequency capabilities range from 47 Hz to 63 Hz. The output voltage can reach a maximum of 30 V DC, which provides ample power for connected devices. Coupled with solid-state switching technology, this module achieves a current output rating of 0.5 A per channel, ensuring effective performance across different loads. Its input resistance is specified at 4 kΩ, which helps in maintaining signal integrity throughout the input circuitry.

Designed for a vast range of environmental conditions, the 170ADM35010C can function within a broad temperature scope of -40°C to +70°C. Additionally, it is built to operate under relative humidity levels of up to 80% without condensation, making it well-suited for diverse operational settings. For added durability, the module is coated with Humiseal 1A33 conformal coating, providing a layer of protection against environmental factors. Overall, the 170ADM35010C stands as a robust option for discrete input/output operations in automation projects.