

Schneider Series Service Manual

170ADM85010

1. Description

The 170ADM85010 from Schneider Electric is an I/O module that fits within the Modicon Momentum series. It features a configuration of 16 input and 16 output channels, designed for effective data handling within industrial control systems.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type I/O Module
Product	Line Modicon Momentum
Part	Number 170ADM85010
EAN	3595862070133
Weight	1.00 lbs (0.45 kg)
Input	Channels 16 Inputs
Output	Channels 16 Outputs
Enclosure	Protection IP20
Temperature	Range -20°C to +60°C
Current	per Channel 0.5 A
Mounting	Type DIN Rail Mountable
Power	Factor 0.98.7
Voltage	Range 10-60 V DC
Environmental	Rating IP20
Power	Supply 24 V DC (nominal)

3. Product Information

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Technical specifications for 170ADM85010

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Product Line Modicon Momentum

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Current per Channel 0.5 A

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Power Factor 0.98.7

Voltage Range 10-60 V DC

Environmental Rating IP20

Power Supply 24 V DC (nominal)

The Schneider Electric 170ADM85010 I/O module is engineered for use in the Modicon Momentum series. This module integrates 16 inputs and 16 outputs, allowing for significant flexibility in control and monitoring tasks. It is designed to handle input and output voltages ranging from 10 V to 60 V DC effectively, ensuring adaptability across different system configurations. A nominal power supply of 24 V DC is required for operation, which is standard for most setups. Each output and input channel can manage a constant current of up to 0.5 A.

Weighing 0.45 kg, this module is conveniently sized for easy installation, particularly as it is optimized for DIN rail mounting. Its operational temperature span between -20°C to +60°C means it can function in various settings without risk of failure due to temperature extremes. Additionally, rated with an IP20 enclosure protection, it demonstrates competence in indoor applications where exposure to harsh environmental conditions is not a factor. The module's power factor is noted at 0.98.7, affirming its efficiency in operation.