

Schneider  Series Service Manual

170ADM39030C

1. Description

The 170ADM39030C from Schneider Electric is an I/O base module in the Modicon Momentum series, designed with discrete relay characteristics. This module features 10 discrete inputs and 8 outputs, supporting a voltage range of 20 to 115 VDC and 24 to 230 VAC.

2. Specifications

| Specification | Value                                         |
|---------------|-----------------------------------------------|
| Manufacturer  | Schneider Electric                            |
| Product       | Line Modicon Momentum                         |
| Part          | Number 170ADM39030C                           |
| EAN           | 3595863798517                                 |
| Name          | of Product I/O Base Module                    |
| Base          | Type Discrete Relay                           |
| Discrete      | Inputs 10                                     |
| Input         | Voltage Range 11 to 30 VDC                    |
| Discrete      | Outputs 8                                     |
| Output        | Type Relay                                    |
| Output        | Voltage Range 20 to 115 VDC and 24 to 230 VAC |
| Rated         | Supply Voltage 24 VDC                         |
| Input         | Resistance 4 kΩ                               |
| Mechanical    | Durability 30,000,000 cycles                  |
| Electrical    | Durability 100,000 cycles (inductive)         |
| Power         | Dissipation 5.5 W to 8.5 W                    |
| Current       | Consumption 250 mA at 24 V DC                 |

3. Product Information

The 170ADM39030C from Schneider Electric is an I/O base module in the Modicon Momentum series, designed with discrete relay characteristics. This module features 10 discrete inputs and 8 outputs, supporting a voltage range of 20 to 115 VDC and 24 to 230 VAC.

Technical specifications for 170ADM39030C

Manufacturer Schneider Electric

Product Line Modicon Momentum

Part Number 170ADM39030C

EAN 3595863798517

Name of Product I/O Base Module

Base Type Discrete Relay

Discrete Inputs 10

Input Voltage Range 11 to 30 VDC

Discrete Outputs 8

Output Type Relay

Output Voltage Range 20 to 115 VDC and 24 to 230 VAC

Rated Supply Voltage 24 VDC

Input Resistance 4 kΩ

Mechanical Durability 30,000,000 cycles

Electrical Durability 100,000 cycles (inductive)

Power Dissipation 5.5 W to 8.5 W

Current Consumption 250 mA at 24 V DC

Description

The Schneider Electric 170ADM39030C is a discrete relay I/O base module from the Modicon Momentum series, specifically designed for reliable signal control. The device offers 10 discrete inputs, accommodating an input voltage range from 11 to 30 VDC. On the output side, it includes 8 relay-type outputs, which can function within a voltage range of 20 to 115 VDC, as well as 24 to 230 VAC.

This module operates efficiently on a nominal supply voltage of 24 VDC. It boasts an input resistance of 4 kΩ, ensuring stable performance across various applications. The 170ADM39030C module is built for longevity, exhibiting mechanical durability verified at 30 million cycles, making it suitable even for demanding processes. Its electrical durability also shows reliability under inductive loads with a life of approximately 100,000 cycles.

When discussing power usage, the module has a dissipation range between 5.5 watts and 8.5 watts, with a current consumption of 250 mA at 24 VDC. In terms of physical dimensions, it measures 125 mm in width, 47.5 mm in depth, and 141.5 mm in height. The module is lightweight, weighing only 0.26 kg, which simplifies installation and integration into control systems.

Range of Product

Modicon Momentum automation platform

Product or Component Type

Discrete relay I/O base DC

Discrete input logic

Positive

Discrete output number

8

Complementary

Isolation between channels and bus

500 V AC

Height

5.6 in (141.5 mm)

Width

4.9 in (125 mm)

Depth

1.9 in (47.5 mm)

Net Weight

0.57 lb(US) (0.26 kg)

Environment

Protective treatment

Conformal coating Humiseal 1A33

Marking

CE

Ordering and shipping details

Category

US1PC3118206

Discount Schedule

PC31

GTIN  
3595863798517  
Returnability  
No  
Packing Units  
Unit Type of Package 1  
PCE  
Nbr. of units in pkg.  
1  
Package 1 Height  
3.5 in (9 cm)  
Package 1 Width  
7.09 in (18 cm)  
Package 1 Length  
10.2 in (26 cm)  
Package weight(Lbs)  
18.3 oz (519 g)  
Unit Type of Package 2  
S03  
Number of Units in Package 2  
6  
Package 2 Height  
11.8 in (30 cm)  
Package 2 Width  
11.8 in (30 cm)  
Package 2 Length  
15.7 in (40 cm)  
Package 2 Weight  
7.837 lb(US) (3.555 kg)