

Schneider Series Service Manual

170ARM37030

1. Description

The Schneider Electric 170ARM37030 is a discrete relay I/O base offering comprehensive control. It features ten discrete inputs and eight discrete outputs, and operates within a voltage range from 24 to 230 Volts AC.

2. Specifications

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Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon
Part	Number 170ARM37030
EAN	3595860033710
Type	Discrete Relay I/O Base
Discrete	Input Number 10 (IEC 1131-2 Type 1)
Voltage	Rating 24-230 V AC
Discrete	Input Logic Positive
Discrete	Output Number 8
Input	Voltage Limits 3-30 V
Protective	Treatment TC
Isolation	Between Group of I/O Channels 1780 V AC
Power	Dissipation $\leq$ 8.5 W
Isolation	Between Channels and Bus 500 V AC
Range	of Product
Modicon	Momentum automation platform
Product	or Component Type
Discrete	relay I/O base AC
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
TC	
Marking	
CE	
Ordering	and shipping details
Category	
US1PC3118206	
Discount	Schedule
PC31	
GTIN	
3595860033710	
Returnability	
No	
Packing	Units
Unit	Type of Package 1
PCE	
Nbr.	of units in pkg.
1	
Package	1 Height
3.5	in (9 cm)

3. Product Information

The Schneider Electric 170ARM37030 is a discrete relay I/O base offering comprehensive control. It features ten discrete inputs and eight discrete outputs, and operates within a voltage range from 24 to 230 Volts AC.	
Technical specifications for 170ARM37030	
Manufacturer Schneider Electric	
Product Line Modicon	
Part Number 170ARM37030	
EAN 3595860033710	
Type Discrete Relay I/O Base	
Discrete Input Number 10 (IEC 1131-2 Type 1)	
Voltage Rating 24-230 V AC	
Discrete Input Logic Positive	
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Isolation Between Group of I/O Channels 1780 V AC	
Power Dissipation ≤ 8.5 W	
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Range of Product	
Modicon Momentum automation platform	
Product or Component Type	
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Discrete input logic	
Positive	
Discrete output number	
8	
Complementary	
Isolation between channels and bus	
500 V AC	
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Net Weight	
0.57 lb(US) (0.26 kg)	
Environment	
Protective treatment	
TC	
Marking	
CE	
Ordering and shipping details	
Category	
US1PC3118206	
Discount Schedule	
PC31	
GTIN	
3595860033710	
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)	

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Package 1 Length

10.2 in (26 cm)

Package weight(Lbs)

18.5 oz (524 g)

Unit Type of Package 2

S03

Description

The Schneider Electric Modicon part 170ARM37030 functions as a discrete relay I/O base known for its integral role in automation systems. It provides ten input points compliant with IEC 1131-2 Type 1, making it suitable for various control tasks. The device operates over a voltage spectrum of 24 to 230 Volts AC, providing flexibility in diverse applications.

This module incorporates eight discrete outputs, allowing it to manage multiple signals simultaneously. The discrete input logic is of the positive type, which fits seamlessly into standard digital control systems. Input voltage limits range from 3 to 30 Volts, accommodating different sensor and actuator configurations.

The device boasts a protective treatment of TC, further ensuring durability and reliability in operation. The isolation between groups of I/O channels reaches up to 1780 Volts AC, enhancing safety when interfacing with other system components. Additionally, between the bus and channels, the isolation measures 500 Volts AC, providing an additional layer of protection to prevent interference. Power dissipation is capped at 8.5 Watts, reflecting efficient energy use during operation.

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