

Schneider 140DDO35300C Manual

Brand	Schneider
Product Series	Schneider
Product Type	Output Module

Description

The Schneider Electric 140DDO35300C is an output module designed to facilitate discrete output management within Modicon systems. It supports 32 outputs divided into 4 groups, characterized by positive source logic operation.

Technical specifications for 140DDO35300C

Manufacturer Schneider Electric

Product Line Modicon

Part Number 140DDO35300C

EAN 3595861135741

Weight 0.50 lbs (0.23 kg)

Type Output Module

Discrete Outputs Yes

Number of Outputs 32

Output Groups 4 Groups

Output Logic Positive Source Logic

Addressing Requirement 2 Output Words

Discrete Output Voltage 24V DC

Output Voltage Limits 19.2 to 30V DC

Maximum Load Current Per Module 16 Amps

Maximum Load Current Per Group 4 Amps

CE Marked Yes

Range of Product

Modicon Quantum automation platform

Product or Component Type

Dc discrete output module

Discrete output number

32

Complementary

Group of channels

4 groups of 8

Discrete output logic

Positive logic (source)

Addressing requirement

2 output words

Discrete output voltage

24 V DC

Output voltage limits

19.2...30 V

Absolute maximum output

56 V 1.3 s decaying pulse

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Maximum voltage drop

<0.4 V 0.5 A

Maximum load current

16 A per module

4 A per group

Surge current

5 A 0.0005 s

Response Time

<= 1 ms at state 0 to state 1

<= 1 ms at state 1 to state 0

Maximum leakage current

0.4 mA 30 V

Load inductance

Inductance(H) = $0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 50 Hz

Fault indication

Loss of field power

Blown fuse

Associated fuse rating

3 A each point

5 A per group

Isolation between channels and bus

1780 Vrms DC for 1 minute

Isolation between group

500 Vrms DC for 1 minute

Protection Type

Internal output protection by 5 A fuse per group

Power dissipation

1.75 W + (0.4 V x total module load current)

Marking

CE

Local signalling

1 LED (green) for bus communication is present (Active)

1 LED (red) for external fault detected (F)

32 LEDs (green) for input status

Bus current requirement

330 mA

Module format

Standard

Net Weight

0.99 lb(US) (0.45 kg)

Environment

Protective treatment

Conformal coating Humiseal 1A33

Product Certifications

GL

RINA

BV

GOST

DNV

FM Class 1 Division 2

C-tick

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RMRS

ABS

Standards

CSA C22.2 No 142

UL 508

Resistance to electrostatic discharge

4 kV contact IEC 801-2

8 kV on air IEC 801-2

Resistance to electromagnetic fields

9.1 V/m (10 V/m) 80...2000 MHz IEC 801-3

Ambient air temperature for operation

32...140 °F (0...60 °C)

Ambient Air Temperature for Storage

-40...185 °F (-40...85 °C)

Relative Humidity

95 % without condensation

Operating altitude

<= 16404.2 ft (5000 m)

Ordering and shipping details

Category

US1PC2118155

Discount Schedule

PC21

GTIN

3595861135741

Returnability

No

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

6.4 in (16.3 cm)

Package 1 Width

1.8 in (4.5 cm)

Package 1 Length

12.3 in (31.2 cm)

Package weight(Lbs)

16.4 oz (465.0 g)

Description

The 140DDO35300C from Schneider Electric functions as an output module tailored for the Modicon series. It accommodates a total of 32 discrete outputs, organized into 4 distinct groups. Each output operates under a positive source logic setup, ensuring straightforward control over connected output devices. Addressing this module requires 2 output words, making configuration straightforward.

The module operates with a nominal discrete output voltage of 24V DC, and it can sustain input voltages ranging from 19.2 to 30V DC. Each module is rated for a maximum load current of 16 Amps, permitting substantial load handling capabilities. However, within individual output groups, the load current is limited to 4 Amps, ensuring stable operation in diverse scenarios. Additionally, this module is CE marked, demonstrating compliance with essential trade standards for safety and quality.

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