

# Product data sheet

Specifications



## discrete output module Modicon Quantum - 32 O - 20..253 V AC

140DAO85300C

### Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	AC discrete output modules
Discrete Output Number	32

### Complementary

Group Of Channels	4 groups of 8 channels
Supply Frequency	47...63 Hz
Maximum Voltage Drop	1.5 V
Discrete Output Voltage	20...253 V AC
Addressing Requirement	2 output words
Absolute Maximum Output	300 Vrms 10 s AC 400 Vrms 1 cycle AC
Maximum Load Current	16 A rms per module 4 A rms per group 0.88 mA 230 V off state leakage per output 1 A rms 20...253 V per output
Surge Current	2.5 A 1 ms
Dv/Dt	400 V/ms
Response Time	<= 0.5 ms at state 0 to state 1 <= 0.5 ms at state 1 to state 0
Protection Type	Internal output protection by 4 A fuse Internal by RC filter
Power Dissipation	1.60 + (1.0 V x total module load current)
Marking	CE
Local Signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 32 LEDs green)
Bus Current Requirement	320 mA
Module Format	Standard
Net Weight	0.99 lb(US) (0.45 kg)

### Environment

Protective Treatment	Conformal coating Humiseal 1A33
Product Certifications	cUL FM Class 1 Division 2

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	UL 508 CSA C22.2 No 142
Electromagnetic Compatibility	Electrostatic discharge immunity test - test level: 4 kV (contact discharge) conforming to IEC 801-2 Electrostatic discharge immunity test - test level: 8 kV (air discharge) conforming to IEC 801-2 Susceptibility to electromagnetic fields - test level: 10 V/m (80...1000 MHz) conforming to 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	<= 5000 m

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.77 in (4.5 cm)
Package 1 Width	6.30 in (16.0 cm)
Package 1 Length	12.40 in (31.5 cm)
Package 1 Weight	18.45 oz (523.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	1
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	18.45 oz (523.0 g)

## Contractual warranty

Warranty	18 months
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Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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RoHS/REACH

Well-being performance

✓	Reach Free Of Svhc	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

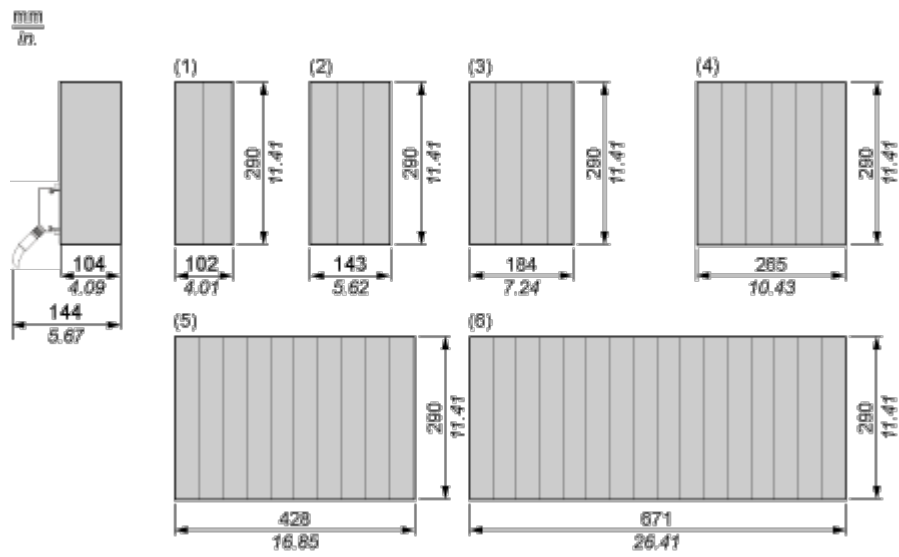
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

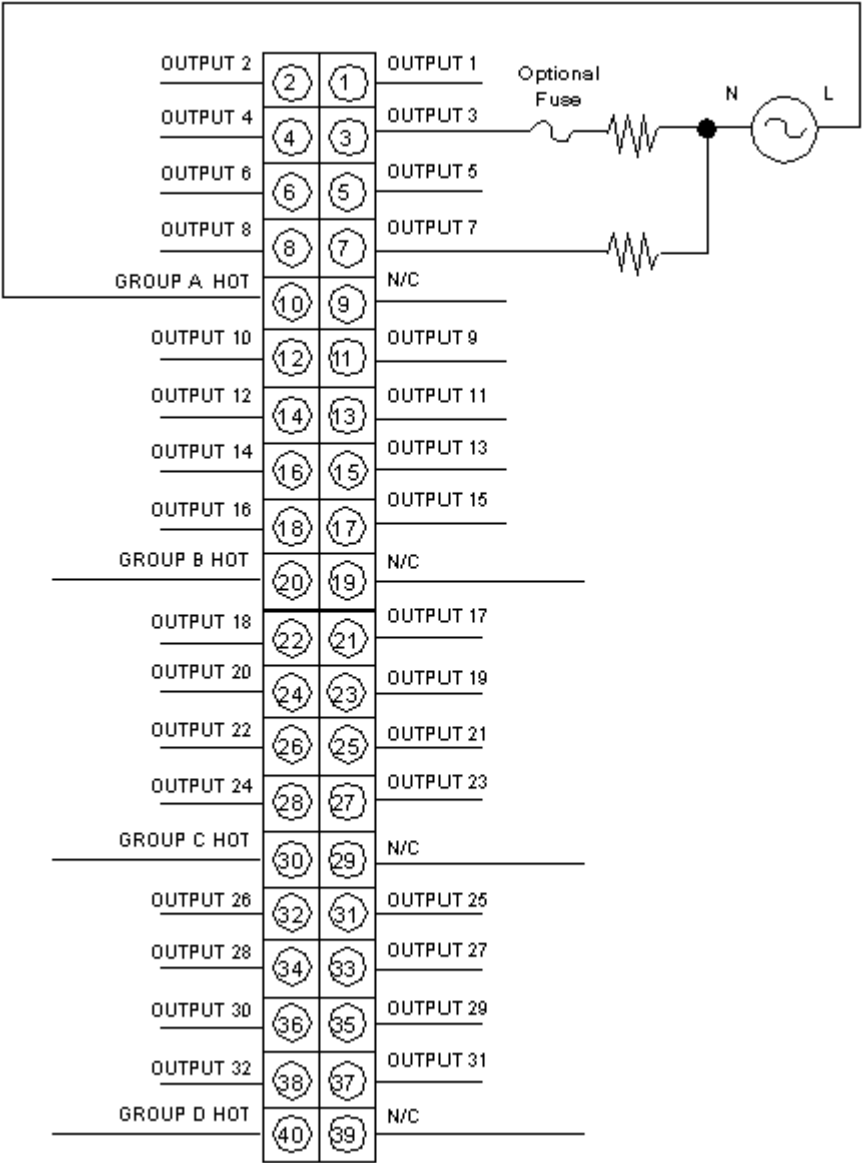


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24...230 Vac Discrete Output Module

Wiring Diagram



N/C Not Connected