

# Product data sheet

Specifications



## discrete output module Modicon Quantum - 96 O - 24 V DC

140DDO36400

⚠ Discontinued on: Dec 31, 2022

⚠ To be end-of-service on: Dec 31, 2030

⚠ Discontinued - Service only

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Dc discrete output module
Discrete Output Number	96

### Complementary

Group Of Channels	6 groups of 16
Discrete Output Logic	Negative logic (sink)
Addressing Requirement	6 output words
Discrete Output Voltage	24 V DC
Output Voltage Limits	19.2...30 V
Maximum Voltage Drop	<0.4 V 0.5 A
Maximum Load Current	<= 0.5 A each point <= 19.2 A per module <= 3.2 A each group
Surge Current	2 A
Response Time	<= 0.1 ms at state 0 to state 1 <= 0.1 ms at state 1 to state 0
Maximum Leakage Current	1 mA 24 V
Short-Circuit Protection	With
Output Overload Protection	With
Load Inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 0.5...4 Hz
Fault Indication	Fault sensing Fault point Loss of field power Fault reporting
Isolation Between Channels And Bus	500 Vrms DC for 1 minute
Power Dissipation	7 W
Marking	CE
Local Signalling	for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 96 LEDs (green)
Bus Current Requirement	250 mA
Module Format	Standard

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

---

Net Weight	0.99 lb(US) (0.45 kg)
------------	-----------------------

## Environment

---

Product Certifications	C-tick RMRS GOST FM Class 1 Division 2
------------------------	---

---

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	9.14 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	3595860026415
------	---------------

---

Returnability	No
---------------	----

---

Country Of Origin	CN
-------------------	----

## Packing Units

---

Unit Type Of Package 1	PCE
------------------------	-----

---

Number Of Units In Package 1	1
------------------------------	---

---

Package 1 Height	6.42 in (16.3 cm)
------------------	-------------------

---

Package 1 Width	1.77 in (4.5 cm)
-----------------	------------------

---

Package 1 Length	12.28 in (31.2 cm)
------------------	--------------------

---

Package 1 Weight	19.22 oz (545.0 g)
------------------	--------------------

---

Unit Type Of Package 2	S03
------------------------	-----

---

Number Of Units In Package 2	7
------------------------------	---

---

Package 2 Height	11.81 in (30.0 cm)
------------------	--------------------

---

Package 2 Width	11.81 in (30.0 cm)
-----------------	--------------------

---

Package 2 Length	15.75 in (40.0 cm)
------------------	--------------------

---

Package 2 Weight	9.55 lb(US) (4.33 kg)
------------------	-----------------------

## Contractual warranty

---

Warranty	18 months
----------	-----------

## 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.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



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)  
[EU RoHS Declaration](#)

**China Rohs Regulation** [China RoHS declaration](#)

**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

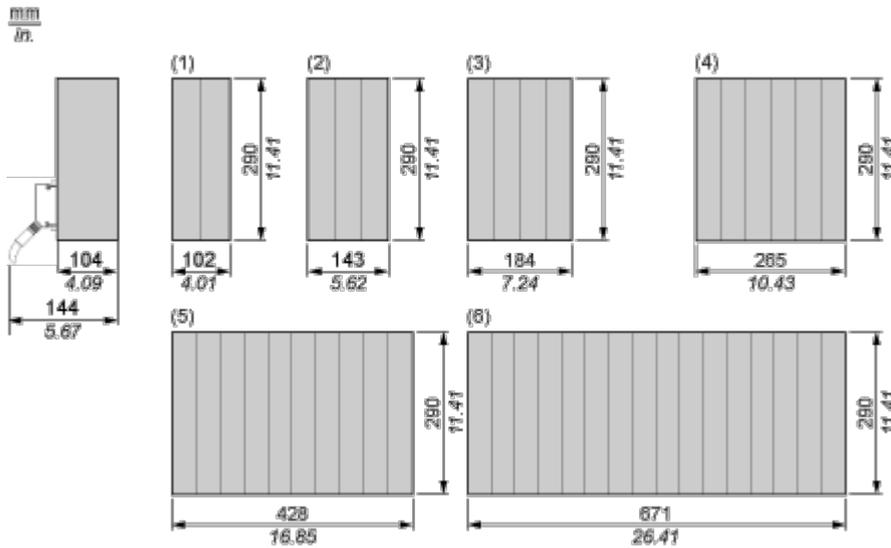
**Circularity Profile** [End of Life Information](#)

**California Proposition 65** WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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 Vdc 6x16 Output Module

---

6 Groups of 16 Outputs A...F (6 x HE 10 Connectors)

