

# Product data sheet

Specifications



## discrete output module Modicon Quantum - 32 O - negative logic (sink)

140DDO35310

! Discontinued - Service only

! Discontinued on: Dec 31, 2022

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

**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	32

### Complementary

Group of channels	4 groups of 8
Discrete output logic	Negative logic (sink)
Addressing requirement	2 output words
Discrete output voltage	24 V DC
Output voltage limits	19.2...30 V
Absolute maximum output	50 V 1 s decaying pulse
Maximum voltage drop	<0.4 V 0.5 A
Maximum load current	16 A per module 4 A per group
Surge current	5 A 1 ms
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	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$
Maximum tungsten load	12 W 24 V
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	2.0 W + (0.4 V x total load current)
Marking	CE

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

<b>Local signalling</b>	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 32 LEDs (green) for input status
<b>Bus current requirement</b>	330 mA
<b>Module format</b>	Standard
<b>Product Weight</b>	0.99 lb(US) (0.45 kg)

## Environment

<b>Product Certifications</b>	FM Class 1 Division 2 RINA GOST C-tick RMRS
<b>Standards</b>	UL 508 CSA C22.2 No 142
<b>Resistance to electrostatic discharge</b>	4 kV contact IEC 801-2 8 kV on air IEC 801-2
<b>Resistance to electromagnetic fields</b>	9.1 V/m (10 V/m) 80...2000 MHz IEC 801-3
<b>Ambient Air Temperature for Operation</b>	32...140 °F (0...60 °C)
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Relative Humidity</b>	95 % without condensation
<b>Operating altitude</b>	<= 16404.2 ft (5000 m)

## Ordering and shipping details

<b>Category</b>	US1PC2118155
<b>Discount Schedule</b>	PC21
<b>GTIN</b>	3595861135673
<b>Returnability</b>	No

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	6.42 in (16.3 cm)
<b>Package 1 Width</b>	1.77 in (4.5 cm)
<b>Package 1 Length</b>	12.28 in (31.2 cm)
<b>Package weight(Lbs)</b>	17.1 oz (486.0 g)

## Contractual warranty

<b>Warranty</b>	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

#### Materials and Substances

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

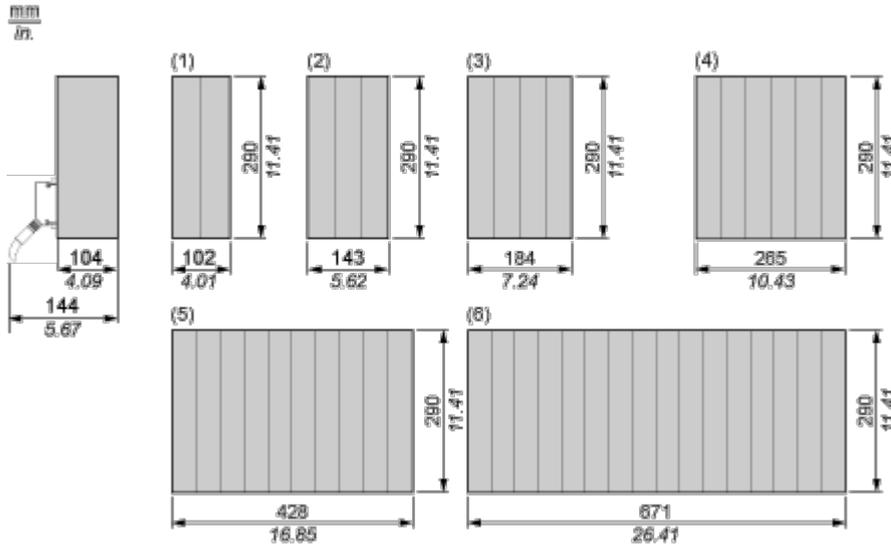
California proposition 65

**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 Discrete Output Sink Module

Wiring Diagram

