Product data sheet

Specifications



discrete output module Modicon Quantum - 32 O

140DDO15310

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	TTL discrete output module
Discrete output number	32

Complementary

Group of channels	4 groups of 8 channels
Discrete output type	Positive (sink) TTL
Addressing requirement	2 output words
Discrete output voltage	5 V DC
Voltage state 1 guaranteed	<= 0.2 V
[Us] rated supply voltage	4...5.5 V DC
Absolute maximum output	15 V 0.0013 s decaying voltage pulse DC
Internal pullup resistor	440 Ohm
Maximum load current	<= 2.4 A per module <= 600 mA each group <= 75 mA each point
Surge current	750 A 0.5 ms between each point
Response time	<= 250 µs at state 0 to state 1 resistive <= 250 µs at state 1 to state 0 resistive
Protection Type	Output protection by transient voltage suppression Internal by fuse
Fault indication	Loss of field power Blown fuse
Power dissipation	4 W
Maximum supply current	0.4 A
Isolation between group	500 Vrms for 1 minute
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	350 mA
Current consumption	2800 mA 5 V DC
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.

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

Product Weight	0.99 lb(US) (0.45 kg)

Environment

Product Certifications	RMRS GOST C-tick FM Class 1 Division 2
Standards	UL 508 CSA C22.2 No 142
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	3595861133020
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)	15.6 oz (441.0 g)

Contractual warranty

Warranty (in months)	18

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	Compliant
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

Use Longer

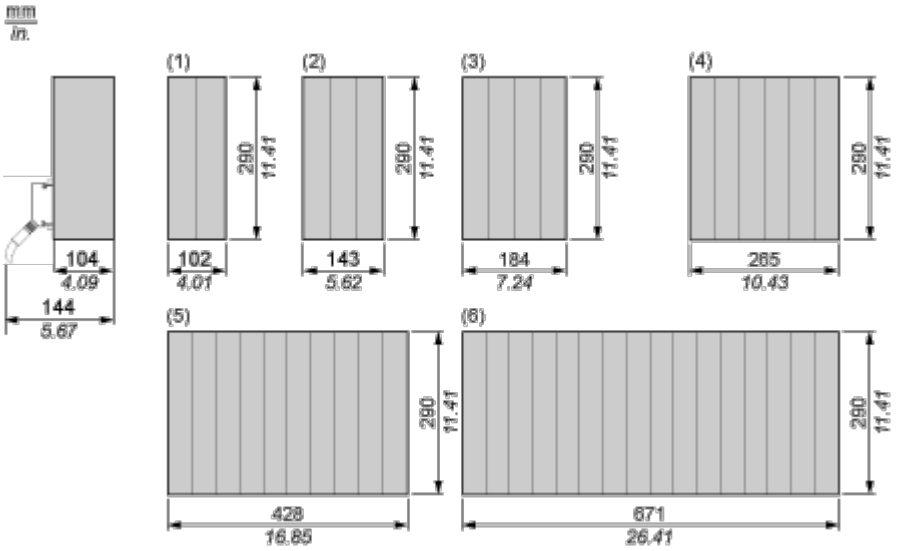
Lifetime extension

Repair	No

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

5 Vdc Discrete Output Sink Module

Wiring Diagram

