Product data sheet

Specifications



discrete output module Modicon Quantum - 12 O - 24..125 V DC

140DDO88500

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	12

Complementary

Group of channels	2 groups of 6
Discrete output logic	Negative logic (sink)
Addressing requirement	1 input word 1 output word
Discrete output voltage	24...125 V DC
Output voltage limits	19.2...156.2 V
Maximum load current	<= 3 A 32…140 °F (0…60 °C) each group <= 6 A 32…140 °F (0…60 °C) per module <= 0.75 A 32…104 °F (0…40 °C) each point
Surge current	4 A 1 ms
Response Time	1 ms at state 0 to state 1 1 ms at state 1 to state 0
Short-circuit protection	With
Output overvoltage protection	By varistor per group
Load inductance	No limit (protected by diode)
Maximum tungsten load	41 W 115 V 46 W 130 V 8 W 24 V
Switching frequency	<= 50 Hz
Fault indication	Overcurrent
Isolation between channels and bus	2500 Vrms DC for 1 minute
Isolation between group	1200 Vrms DC for 1 minute
Protection Type	Internal output protection by 4 A fuse
Power dissipation	1 W + (0.77 x all points on)
Marking	CE
Local signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 16 LEDs (green) for input status

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

Bus current requirement	375 mA 6 outputs at state 1 650 mA 12 outputs at state 1
Module format	Standard
Product Weight	0.99 lb(US) (0.45 kg)

Environment

Product Certifications	GOST FM Class 1 Division 2 C-tick RMRS
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	3595861136069
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)	18.2 oz (515.0 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

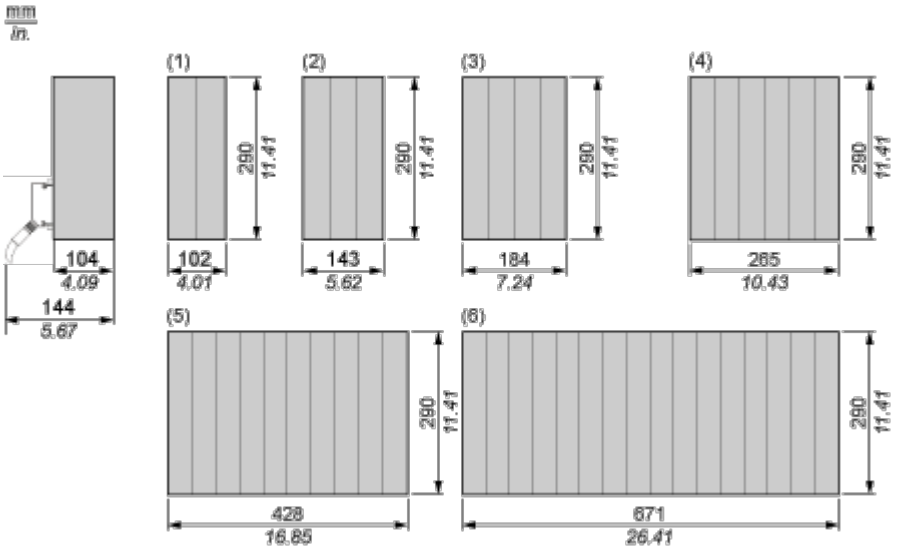
Lifetime extension

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

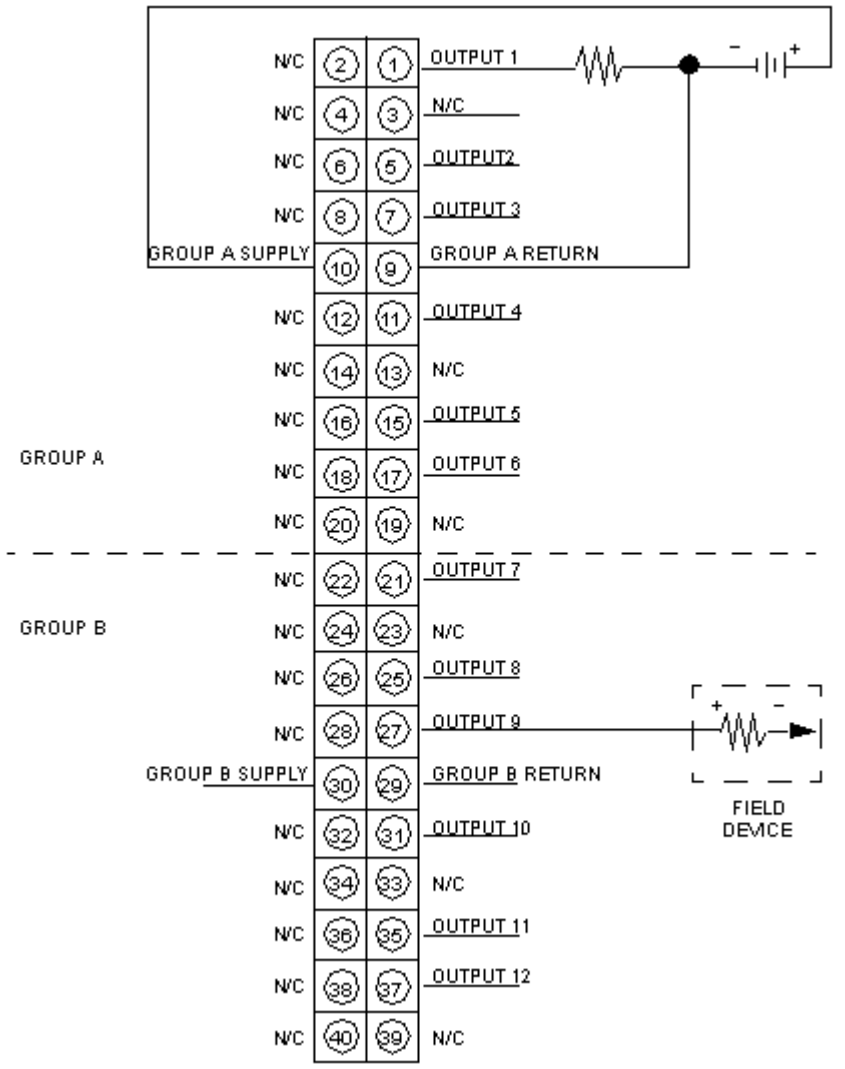
(5) 10 slots

(6) 16 slots

Connections and Schema

24...125 Vdc Discrete Output Source Module

Wiring Diagram



N/C Not Connected