

Product data sheet

Specifications



Modicon Quantum discrete output module - 12 O - negative logic - 1 I + 1 O word

140DDO88500C

! Discontinued

! Discontinued on: May 11, 2021

! To be end-of-service on: Dec 31, 2029

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	for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 16 LEDs (green)

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
Net Weight	0.99 lb(US) (0.45 kg)

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Product Certifications	GOST C-tick FM Class 1 Division 2 RMRS
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	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
Gtin	3595861137370
Returnability	No
Country Of Origin	FR

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	18.17 oz (515.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
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	2.27 lb(US) (1.03 kg)

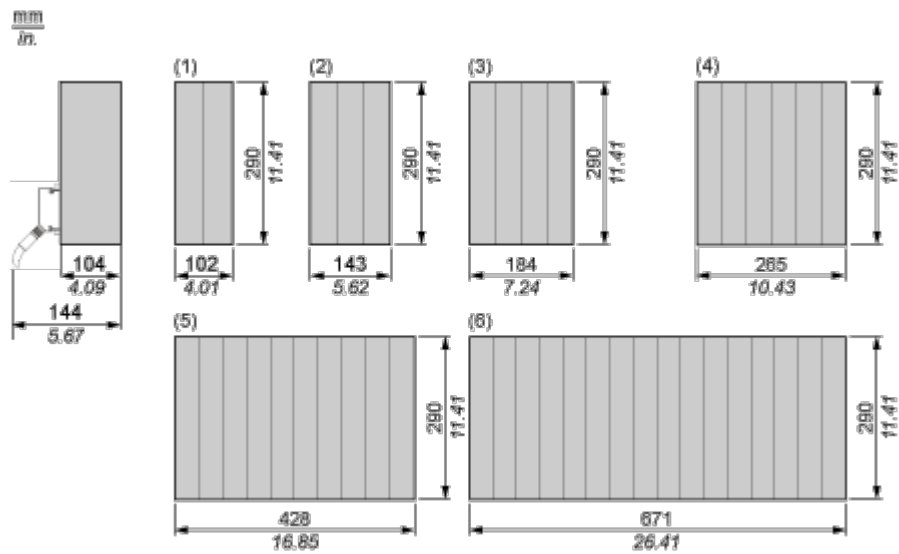
Contractual warranty

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

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

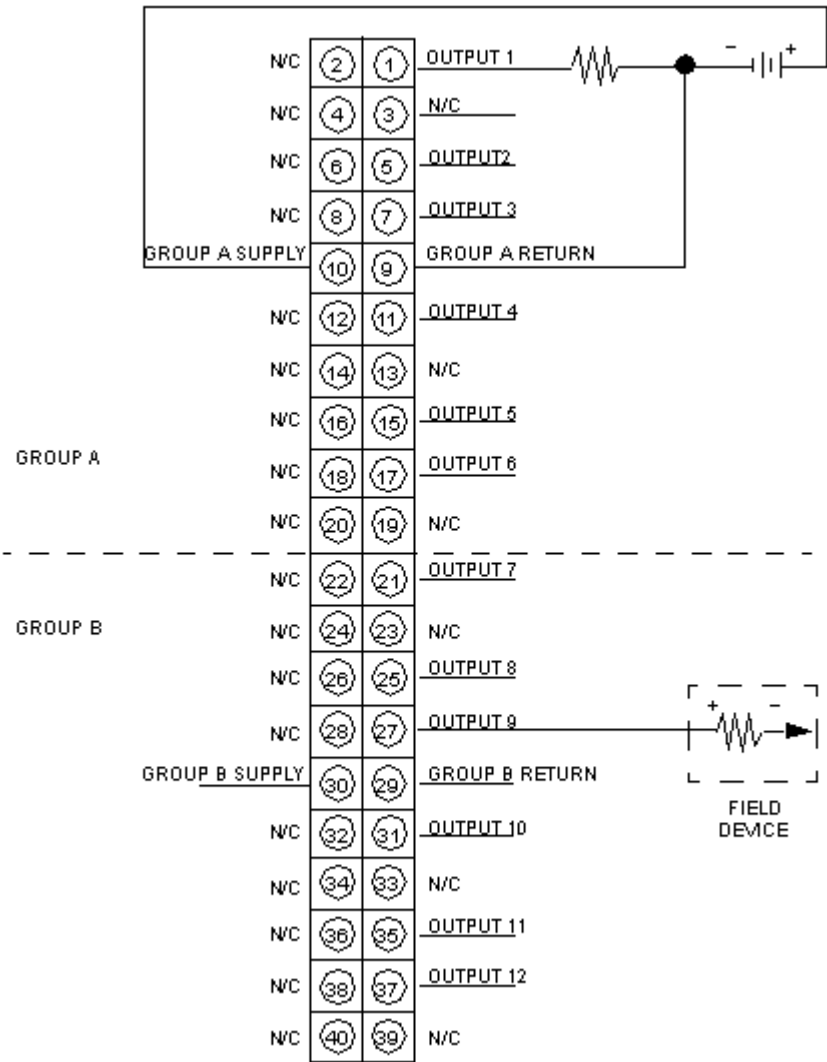


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24...125 Vdc Discrete Output Source Module

Wiring Diagram



N/C Not Connected