Product data sheet

Specifications



discrete output module Modicon Quantum - 16 O - 10..60 V DC

140DDO84300C

Discontinued on: Mar 15, 2022

Discontinued

Main

Range of Product	Modicon Quantum automation platform
Product or Component Type	Dc discrete output module
Discrete output number	16

Complementary

Group of channels	2 groups of 8
Discrete output logic	Positive logic (source)
Addressing requirement	1 output word
Discrete output voltage	10...60 V DC
Output voltage limits	10.2...72 V
Absolute maximum output	72 V permanent
Maximum voltage drop	<1 V 2 A
Maximum load current	12 A per module 6 A per group
Surge current	7.5 A 50 s
Response Time	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Maximum leakage current	1 mA 60 V
Load inductance	Inductance(H) = 0.5/((current(A))² x (switching frequency(Hz)))
Associated fuse rating	2 A each point 8 A per group
Isolation between channels and bus	2500 Vrms DC for 1 minute
Isolation between group	700 Vrms DC for 1 minute
Protection Type	Internal output protection by 8 A fuse per group
Power dissipation	1 W + (1 V x total module load current)
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
Bus current requirement	160 mA
Module format	Standard
Net Weight	0.99 lb(US) (0.45 kg)

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

Environment

Protective treatment	Conformal coating Humiseal 1A33
Product Certifications	C-tick FM Class 1 Division 2 RMRS GOST
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	9.1 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	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	3595861136656
Returnability	No
Country of origin	CN

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)	24.0 oz (680.0 g)

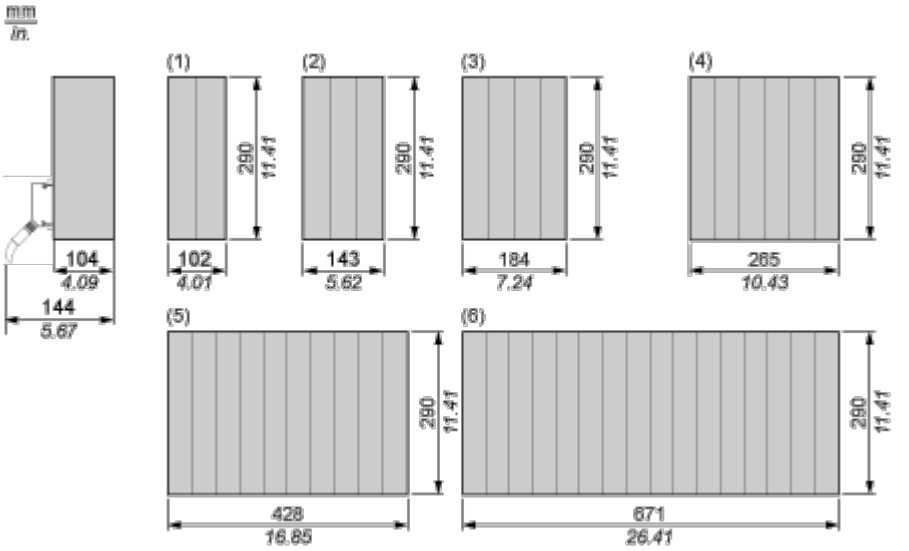
Contractual warranty

Warranty (in months)	18

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



(1) 2 slots

(2) 3 slots

(3) 4 slots

(4) 6 slots

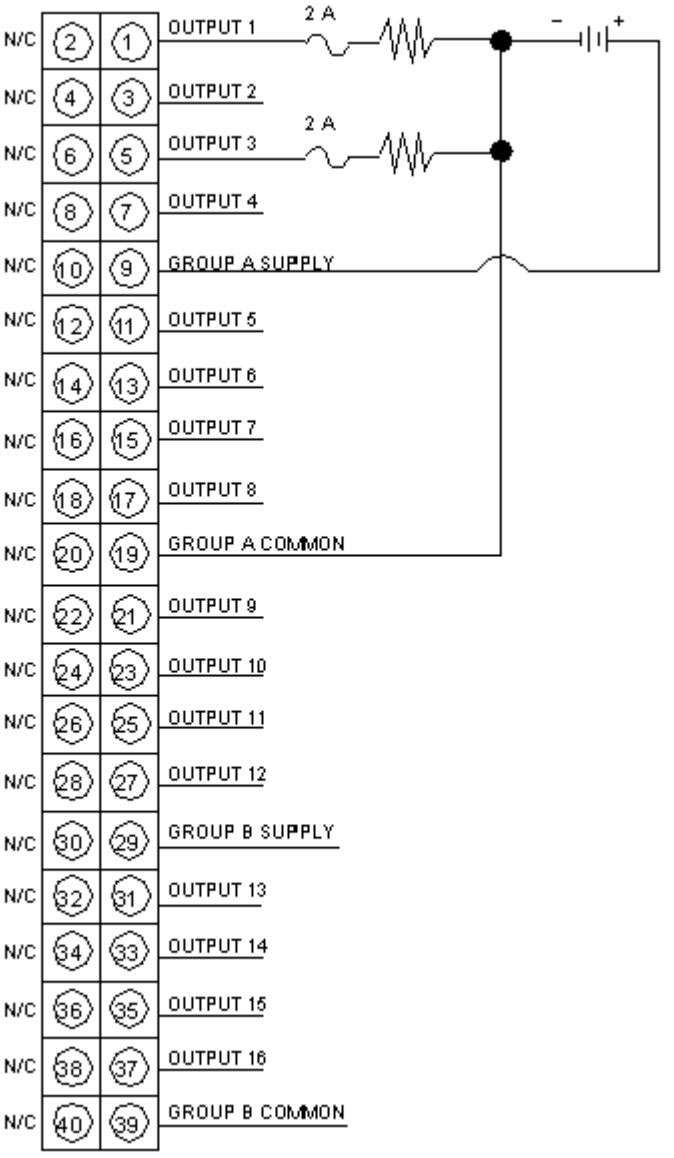
(5) 10 slots

(6) 16 slots

Connections and Schema

10...60 Vdc Discrete Output Source Module

Wiring Diagram



N/C Not Connected