Product data sheet

Specifications

Green Premium™

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

140DDO84300

Discontinued on: Dec 31, 2022

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

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 for 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	0.45 kg

List Price displayed is VAT EXCLUSIVE.

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

Product Certifications	GOST RMRS FM Class 1 Division 2 C-Tick
Standards	CSA C22.2 No 142 UL 508
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80…2000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0…60 °C
Ambient Air Temperature For Storage	-40…85 °C
Relative Humidity	95 % without condensation
Operating Altitude	<= 5000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.73 cm
Package 1 Width	16.33 cm
Package 1 Length	30.91 cm
Package 1 Weight	452.6 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.77 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes

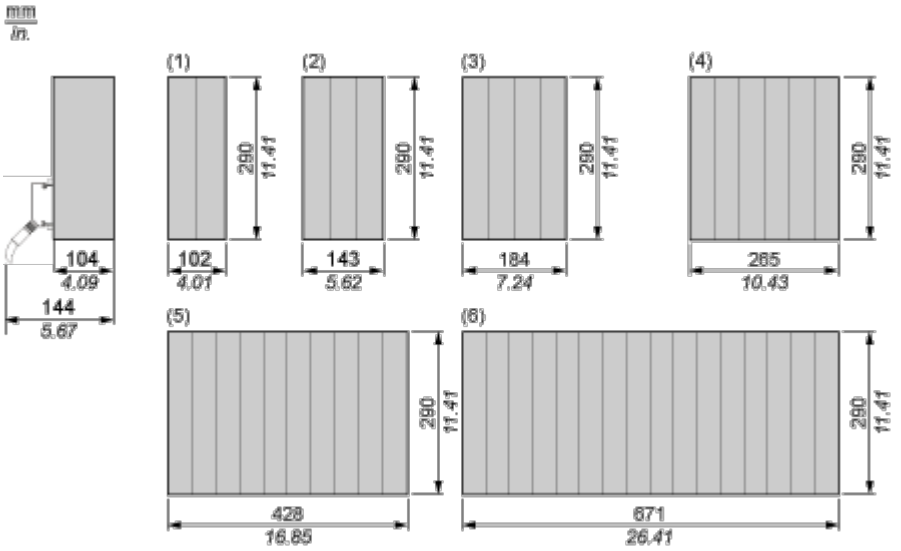
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



(1) 2 slots

(2) 3 slots

(3) 4 slots

(4) 6 slots

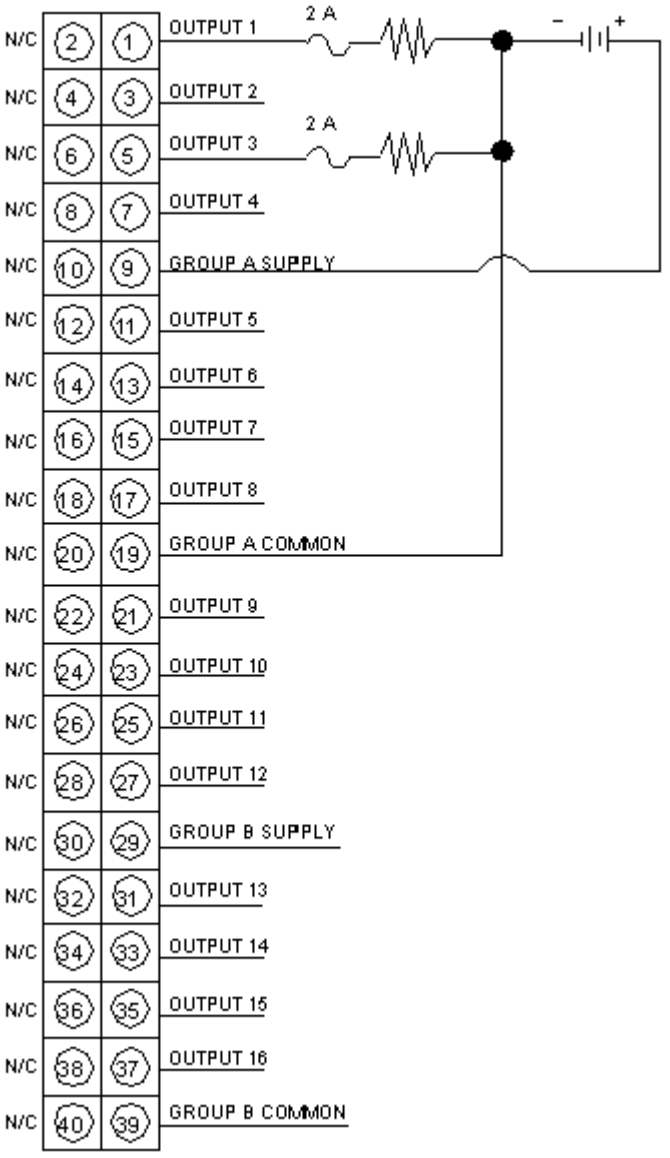
(5) 10 slots

(6) 16 slots

Connections and Schema

10...60 Vdc Discrete Output Source Module

Wiring Diagram



N/C Not Connected