Product datasheet

Specifications





discrete output module Modicon Quantum - 32 O - 10..30 V DC

140DVO85300C

- () Discontinued on: 31 Mar 2022
- () To be end-of-service on: 31 Dec 2029

① To be discontinued

Main

Range of product	Modicon Quantum automation platform	
product or component type	Dc discrete output module	
Discrete output number	32	

Complementary

Complementary	
Group of channels	4 groups of 8
Discrete output logic	Negative logic (sink)
Addressing requirement	2 output words
	2 input words
Discrete output voltage	1030 V DC
Absolute maximum output	50 V for 1 s decaying pulse
Maximum voltage drop	<0.4 V 0.5 A
Maximum load current	<= 0.5 A each point
	<= 16 A per module
	<= 4 A each group
Surge current	2.5 A for 1 ms
Response time	<= 2 ms at state 0 to state 1
	<= 2 ms at state 1 to state 0
	1 ms at state 0 to state 1
	1 ms at state 1 to state 0
Short-circuit protection	With
Output overvoltage protection	With
Load inductance	Inductance(H) = 0.5/((current(A)) ² x (switching frequency(Hz))) 0.54 Hz
Maximum tungsten load	2.5 W 10 V
	3 W 12 V
	6 W 24 V
Fault indication	Incorrect output state
	Loss of field power
	Blown fuse
Protection type	Internal output protection by 5 A fuse per group
Power dissipation	2.5 W + (0.1 x all points on) + (0.4 x total load current)
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	500 mA
•	

Module format	Standard
net weight	0.3 kg

Environment

protective treatment	Conformal coating Humiseal 1A33
Product certifications	RMRS FM Class 1 Division 2 C-Tick GOST
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 802000 MHz conforming to IEC 801-3
Ambient air temperature for operation	060 °C
Ambient air temperature for storage	-4085 °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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	473.0 g

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

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Yes

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RoHS/REACh

Mercury Free

Well-being performance

Reach Free Of Svhc

Rohs Exemption Information

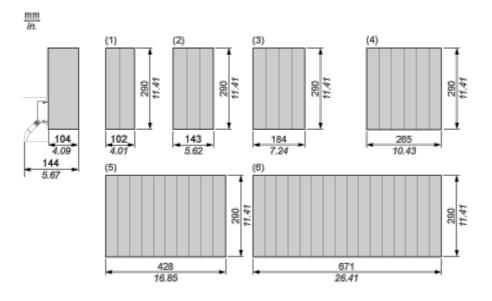
Certifications & Standards

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...30 Vdc Verified Output 32-point Module

Wiring Diagram

