

Product data sheet

Specifications



discrete output module Modicon Quantum - 32 O

140DDO15310

⚠ To be discontinued on: 31 December 2022

⚠ To be end-of-service on: 31 December 2030

⚠ To be discontinued

Main

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

Complementary

Group of channels	4 groups of 8 channels
Discrete output type	Positive (sink) TTL
Addressing requirement	2 output words
Discrete output voltage	5 V DC
Voltage state 1 guaranteed	<= 0.2 V
[Us] rated supply voltage	4...5.5 V DC
Absolute maximum output	15 V for 0.0013 s decaying voltage pulse DC
Internal pullup resistor	440 Ohm
Maximum load current	<= 2.4 A per module <= 600 mA each group <= 75 mA each point
Surge current	750 A during 0.5 ms between each point
Response time	<= 250 µs at state 0 to state 1 resistive <= 250 µs at state 1 to state 0 resistive
Protection type	Output protection by transient voltage suppression Internal by fuse
Fault indication	Loss of field power Blown fuse
Power dissipation	4 W
Maximum supply current	0.4 A
Isolation between group	500 Vrms for 1 minute
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	350 mA
Current consumption	2800 mA at 5 V DC

Module format	Standard
Net weight	0.45 kg
Environment	
Product certifications	RMRS GOST C-Tick FM Class 1 Division 2
Standards	UL 508 CSA C22.2 No 142
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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	441.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	866.0 g
Offer Sustainability	
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

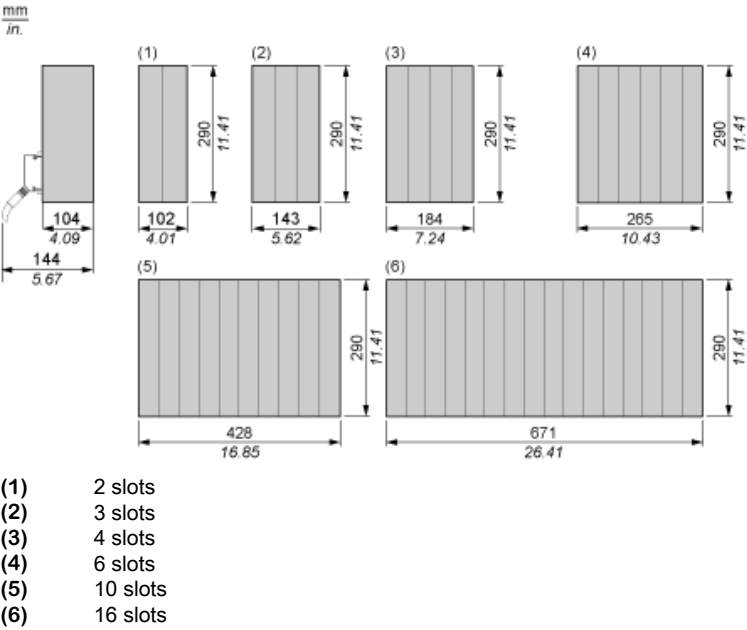
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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Contractual warranty

Warranty	18 months
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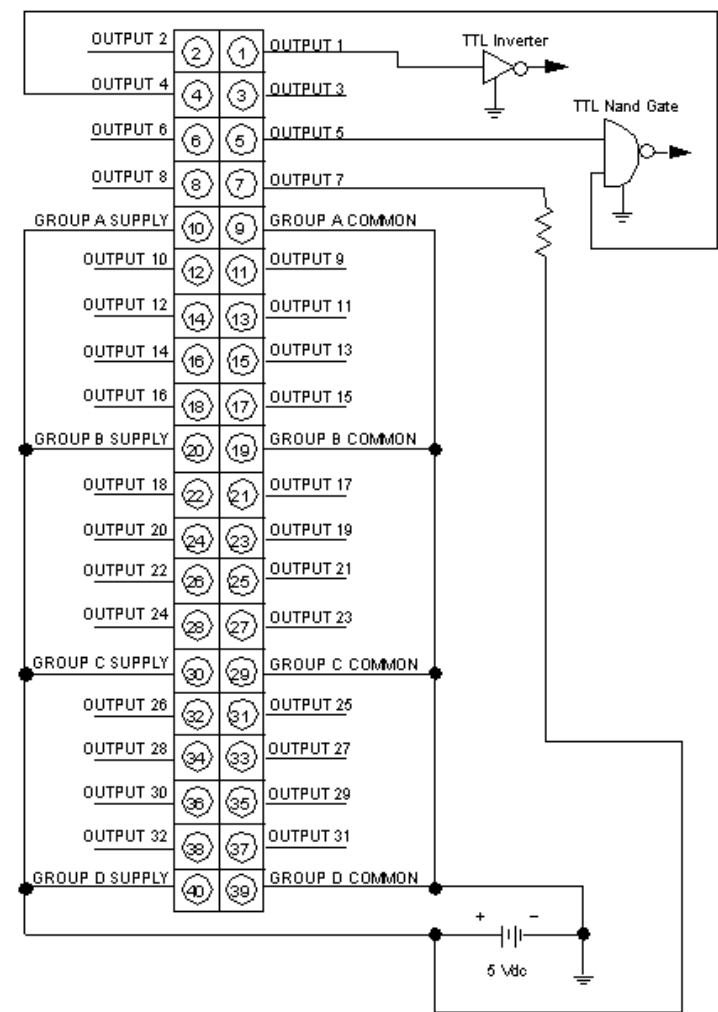
Racks for Modules Mounting

Dimensions of Modules and Racks



5 Vdc Discrete Output Sink Module

Wiring Diagram



Recommended replacement(s)