

Product data sheet

Specifications



Modicon Quantum discrete output module - 96 O - negative logic - 6 words

140DDO36400C

Discontinued on: 31 December 2021

To be end-of-service on: 31 December 2029

Discontinued - Service only

Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	96

Complementary

Group of channels	6 groups of 16
Discrete output logic	Negative logic (sink)
Addressing requirement	6 output words
Discrete output voltage	24 V DC
Output voltage limits	19.2...30 V
Maximum voltage drop	<0.4 V 0.5 A
Maximum load current	<= 0.5 A each point <= 19.2 A per module <= 3.2 A each group
Surge current	2 A
Response time	<= 0.1 ms at state 0 to state 1 <= 0.1 ms at state 1 to state 0
Maximum leakage current	1 mA 24 V
Short-circuit protection	With
Output overload protection	With
Load inductance	$Inductance(H) = 0.5 / ((current(A))^2 \times (switching\ frequency(Hz)))$ 0.5...4 Hz
Fault indication	Fault sensing Loss of field power Fault reporting Fault point
Isolation between channels and bus	500 Vrms DC for 1 minute
Power dissipation	7 W
Marking	CE
Local signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 96 LEDs (green) for input status
Bus current requirement	250 mA

Module format	Standard
Net weight	0.45 kg
Environment	
Protective treatment	Conformal coating Humiseal 1A33
Product certifications	RMRS C-Tick GOST FM Class 1 Division 2
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	4.5 cm
Package 1 Width	16.5 cm
Package 1 Length	31.5 cm
Package 1 Weight	559.0 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	1.118 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
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

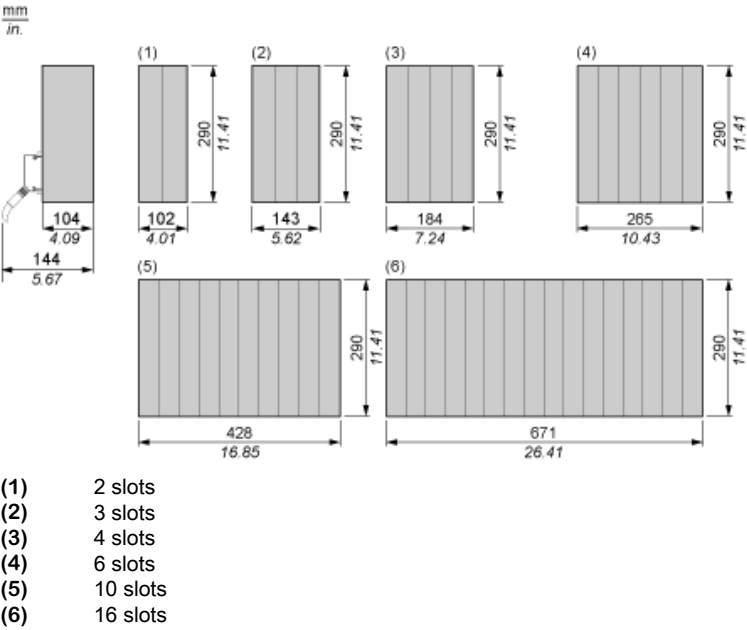
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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Contractual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

Warranty	18 months
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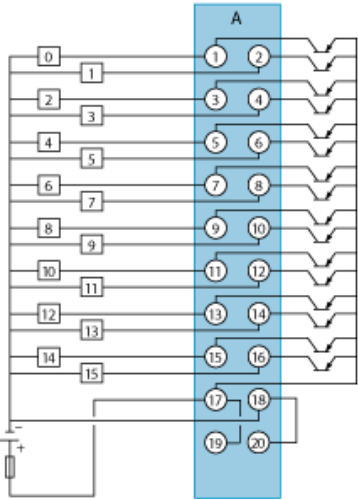
Racks for Modules Mounting

Dimensions of Modules and Racks



24 Vdc 6x16 Output Module

6 Groups of 16 Outputs A...F (6 x HE 10 Connectors)



Recommended replacement(s)