

Product data sheet

Specifications



discrete output module Modicon Quantum - 96 O - 24 V DC

140DDO36400

⚠ 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	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 Fault point Loss of field power Fault reporting
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	
Product certifications	C-Tick RMRS 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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	545.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.33 kg
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

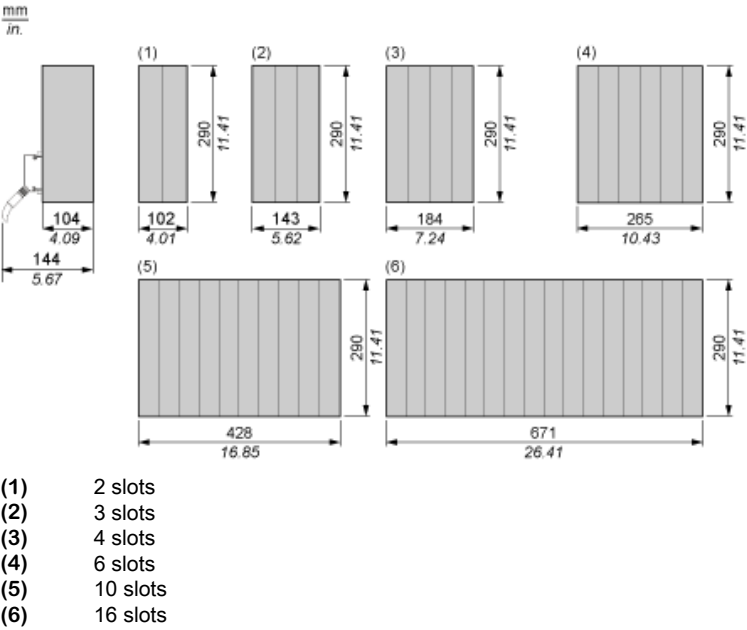
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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Contractual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

Warranty	18 months
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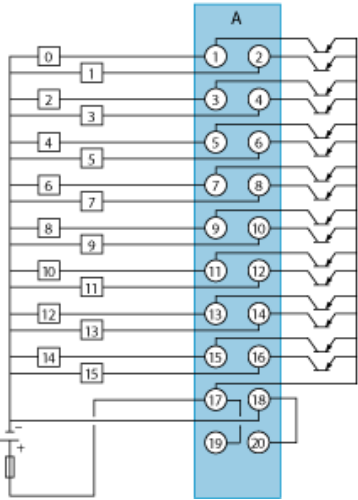
Racks for Modules Mounting

Dimensions of Modules and Racks



24 Vdc 6x16 Output Module

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



Recommended replacement(s)

140DDO36400 is replaced by:

1x



discrete output module X80 - 64 outputs - solid state - 24 V DC positive
BMXDDO6402K