MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SCHNEIDER ELECTRIC

140DDO35300

MODICON QUANTUM 32-CHANNEL SOLID-STATE DIGITAL OUTPUT MODULE

Used with the applicable Modicon Quantum automation platform configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Schneider Electric manufacturer document for 140DDO35300

Product data sheet
Characteristics

140DDO35300
discrete output module Modicon Quantum - 32 O solid state



Main

Range of Product	Modicon Quantum automation platform
Product or Component Type	Dc discrete output module
Discrete output number	32

Complementary

Group of channels	4 groups of 8
Discrete output logic	Positive logic (source)
Addressing requirement	2 output words
Discrete output voltage	24 V DC
Output voltage limits	19.2...30 V
Absolute maximum output	56 V 1.3 s decaying pulse
Maximum voltage drop	<0.4 V 0.5 A
Maximum load current	16 A per module 4 A per group
Surge current	5 A 0.0005 s
Response Time	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Maximum leakage current	0.4 mA 30 V
Load inductance	Inductance(H) = 0.5/((current(A))² x (switching frequency(Hz))) 50 Hz
Fault indication	Blown fuse Loss of field power
Associated fuse rating	3 A each point 5 A per group
Isolation between channels and bus	1780 Vrms DC for 1 minute
Isolation between group	500 Vrms DC for 1 minute
Protection Type	Internal output protection by 5 A fuse per group
Power dissipation	1.75 W + (0.4 V x total module load current)
Marking	CE
Local signalling	For bus communication is present (Active) 1 LED (green) For external fault detected (F) 1 LED (red) For input status 32 LEDs (green)
Bus current requirement	330 mA
Module format	Standard
Net Weight	0.99 lb(US) (0.45 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Product Certifications	GOST BV RMRS ABS DNV GL RINA C-tick FM Class 1 Division 2 Safety certification non interfering
Standards	UL 508 CSA C22.2 No 142
Resistance to electrostatic discharge	4 KV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80…2000 MHz IEC 801-3
Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Relative Humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	3595861127050
Nbr. of units in pkg.	1
Package weight(Lbs)	15.34 oz (434.9 g)
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.81 in (4.59 cm)
Package 1 width	6.47 in (16.44 cm)
Package 1 Length	12.24 in (31.09 cm)
Unit Type of Package 2	P12
Number of Units in Package 2	168
Package 2 Weight	3312.59 oz (93912.0 g)
Package 2 Height	37.40 in (950.0 mm)
Package 2 width	31.50 in (800.0 mm)
Package 2 Length	47.24 in (1200.0 mm)
Unit Type of Package 3	S03
Number of Units in Package 3	7
Package 3 Weight	124.80 oz (3538.0 g)
Package 3 Height	11.81 in (30.0 cm)
Package 3 width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
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

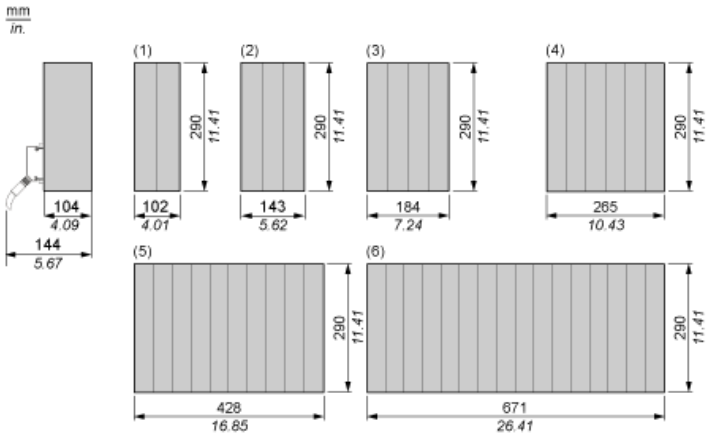
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months

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

24 Vdc Discrete Output Source Module

Wiring Diagram

