

Product data sheet

Characteristics

140DDO84300

discrete output module Modicon Quantum - 16 O - 10..60 V DC

Product availability : Stock - Normally stocked in distribution facility

Price* : 1637.60 USD



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	16

Complementary

Group of channels	2 groups of 8
Discrete output logic	Negative logic (sink)
Addressing requirement	1 output word
Discrete output voltage	10..60 V DC
Output voltage limits	10.2...72 V
Absolute maximum output	72 V permanent
Voltage drop	<= 1 V 2 A
Maximum load current	12 A per module 6 A per group
Surge current	<= 7.5 A for 50 s
Response time	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Leakage current	<= 1 mA 60 V
Load inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$
Associated fuse rating	2 A each point 8 A per group
Isolation between channels and bus	2500 Vrms DC for 1 minute
Isolation between group	700 Vrms DC for 1 minute
Protection type	Internal output protection by 8 A fuse per group
Power dissipation	1 W + (1 V x total module load current)
Marking	CE
Local signalling	1 LED green bus communication is present (Active)

	1 LED red external fault detected (F) 16 LEDs green input status
Bus current requirement	160 mA
Module format	Standard
Product weight	0.99 lb(US) (0.45 kg)

Environment

Product certifications	C-Tick RMRS FM Class 1 Division 2 GOST
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	9.14 V/yd (10 V/m) 80...2000 MHz conforming to 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	00785901794592
Nbr. of units in pkg.	1
Package weight(Lbs)	0.9899999999999999
Returnability	Y
Country of origin	CN

Offer Sustainability

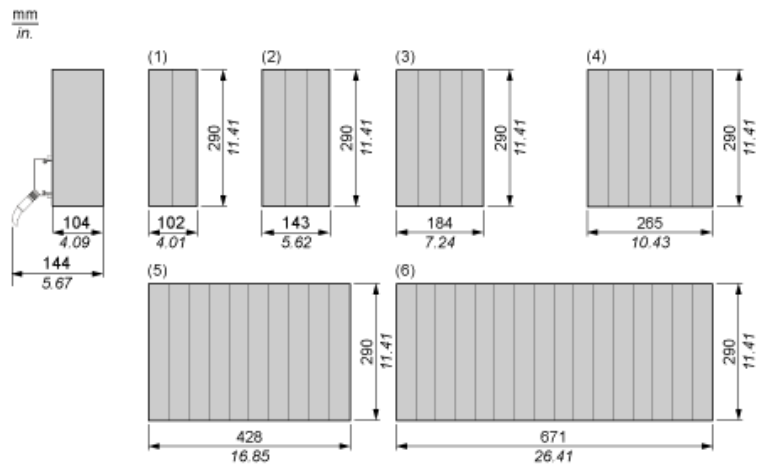
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

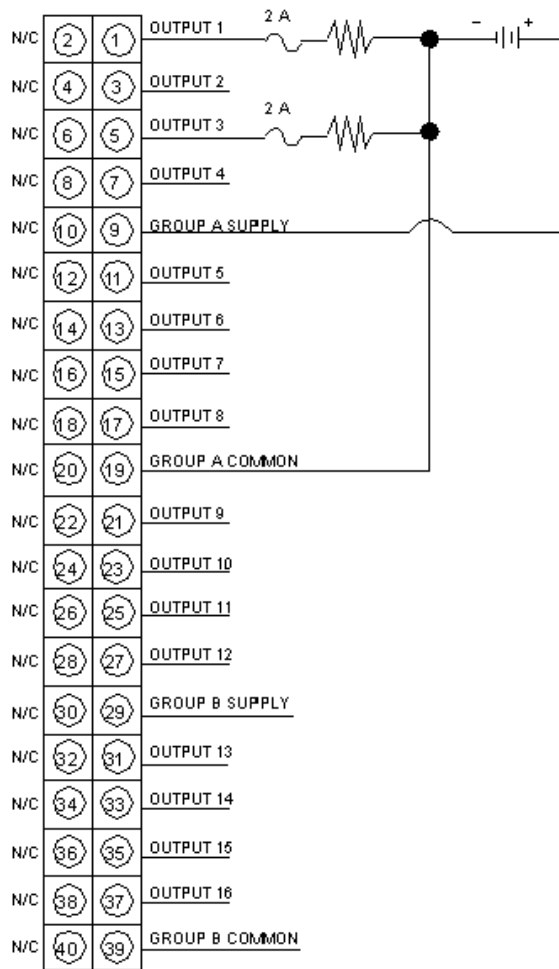
Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

10...60 Vdc Discrete Output Source Module

Wiring Diagram



N/C Not Connected