



## 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	$Inductance(H) = 0.5 / ((current(A))^2 \times (switching\ frequency(Hz)))$
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

protective treatment	Conformal coating Humiseal 1A33
product certifications	C-Tick FM Class 1 Division 2 GOST RMRS
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	9.14 V/yd (10 V/m) 80...2000 MHz conforming to IEC 801-3

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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)

## Offer Sustainability

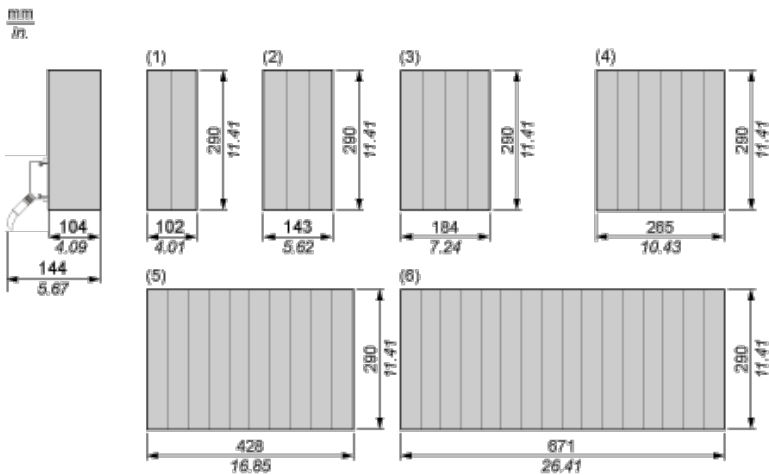
Green Premium product	Green Premium product
Compliant - since 0901 - Schneider Electric declaration of conformity	Compliant - since 0901 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	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.	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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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## Racks for Modules Mounting

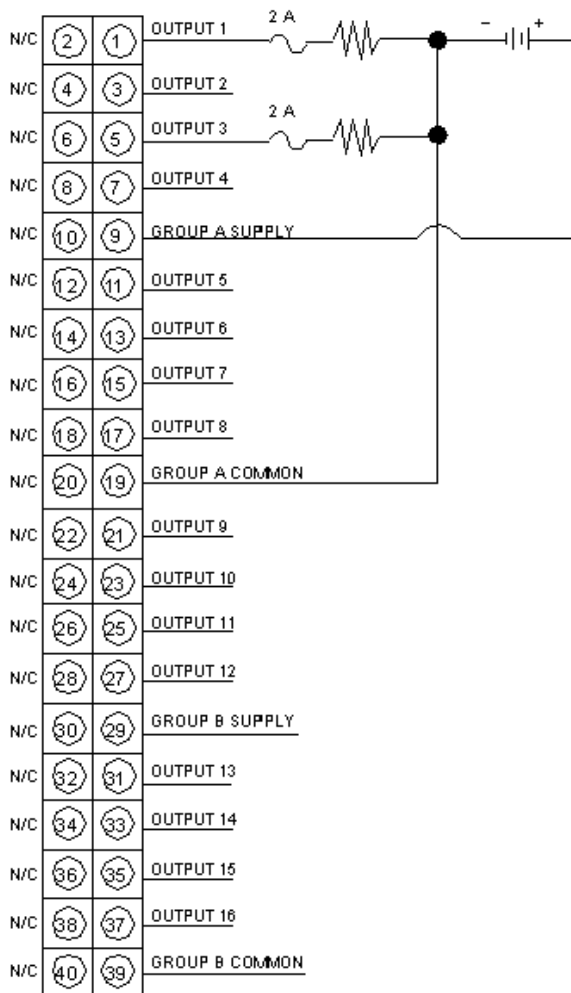
### Dimensions of Modules and Racks



- (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