



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	$\leq 1 \text{ V } 2 \text{ A}$
Maximum load current	6 A per group 12 A per module
Surge current	$\leq 7.5 \text{ A for } 50 \text{ s}$
Response time	$\leq 1 \text{ ms at state 1 to state 0}$ $\leq 1 \text{ ms at state 0 to state 1}$
Leakage current	$\leq 1 \text{ mA } 60 \text{ V}$
Load inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$
Associated fuse rating	8 A per group 2 A each point
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	$1 \text{ W} + (1 \text{ V} \times \text{total module load current})$
Marking	CE
Local signalling	16 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Bus current requirement	160 mA
Module format	Standard
Product weight	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	8 kV on air conforming to IEC 801-2 4 kV contact 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Racks for Modules Mounting

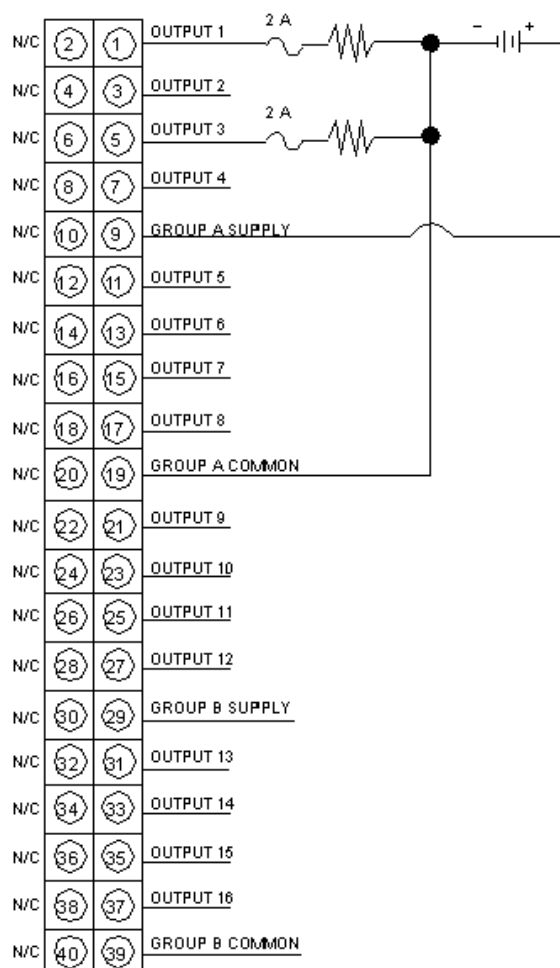
Dimensions of Modules and Racks



- (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