



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	Negative logic (sink)
Addressing requirement	2 output words
Discrete output voltage	24 V DC
Output voltage limits	19.2...30 V
Absolute maximum output	56 V for 1.3 s decaying pulse
Voltage drop	0.4 V 0.5 A
Maximum load current	4 A per group 16 A per module
Surge current	<= 5 A for 0.0005 s
Response time	<= 1 ms at state 1 to state 0 <= 1 ms at state 0 to state 1
Leakage current	0.4 mA 30 V
Load inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 50 Hz
Fault indication	Blown fuse Loss of field power
Associated fuse rating	5 A per group 3 A each point
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	32 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Bus current requirement	330 mA
Module format	Standard
Product weight	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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	ABS BV C-Tick DNV FM Class 1 Division 2 GL GOST RINA RMRS Safety certification non interfering
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	Compliant - since 0848 - 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

Contractual warranty

Period	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

