



## 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 input words<br>2 output words                                                                                            |
| Discrete output voltage       | 10...30 V DC                                                                                                               |
| Absolute maximum output       | 50 V for 1 s decaying pulse                                                                                                |
| Voltage drop                  | 0.4 V 0.5 A                                                                                                                |
| Maximum load current          | <= 4 A each group<br><= 16 A per module<br><= 0.5 A each point                                                             |
| Surge current                 | <= 2.5 A for 1 ms                                                                                                          |
| Response time                 | 1 ms at state 1 to state 0<br>1 ms at state 0 to state 1<br><= 2 ms at state 1 to state 0<br><= 2 ms at state 0 to state 1 |
| Short-circuit protection      | With                                                                                                                       |
| Output overvoltage protection | With                                                                                                                       |
| Load inductance               | $\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 0.5...4 Hz                  |
| Tungsten load                 | 6 W 24 V<br>3 W 12 V<br>2.5 W 10 V                                                                                         |
| Fault indication              | Blown fuse<br>Incorrect output state<br>Loss of field power                                                                |
| Protection type               | Internal output protection by 5 A fuse per group                                                                           |
| Power dissipation             | 2.5 W + (0.1 x all points on) + (0.4 x total load current)                                                                 |
| Marking                       | CE                                                                                                                         |
| Local signalling              | 32 LEDs green input status<br>1 LED red external fault detected (F)<br>1 LED green bus communication is present (Active)   |
| Bus current requirement       | 500 mA                                                                                                                     |
| Module format                 | Standard                                                                                                                   |
| Product weight                | 0.3 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

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Protective treatment                  | Conformal coating Humiseal 1A33                                             |
| Product certifications                | C-Tick<br>FM Class 1 Division 2<br>GOST<br>RMRS                             |
| Standards                             | CSA C22.2 No 142<br>UL 508                                                  |
| Resistance to electrostatic discharge | 8 kV on air conforming to IEC 801-2<br>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 0932 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| 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...30 Vdc Verified Output 32-point Module

Wiring Diagram

