

Product availability: Stock - Normally stocked in distribution facility



### Main

|                           |                                       |
|---------------------------|---------------------------------------|
| Range of product          | Modicon Quantum automation platform   |
| Product or component type | Low voltage dc discrete input modules |
| Discrete input number     | 32                                    |

### Complementary

|                                 |                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Group of channels               | 4                                                                                                                        |
| Logic input                     | Positive (sink)                                                                                                          |
| Discrete input voltage          | 24 V DC                                                                                                                  |
| Input voltage limits            | 19.2...30 V                                                                                                              |
| Voltage state 1 guaranteed      | 15...30 V DC                                                                                                             |
| Voltage state 0 guaranteed      | -3...5 V DC                                                                                                              |
| Current state 1 guaranteed      | $\geq 2$ mA at $U_s = 5.5$ V and $U_{in} = 0$ V                                                                          |
| Current state 0 guaranteed      | $\leq 0.5$ mA                                                                                                            |
| Addressing requirement          | 2 input words                                                                                                            |
| Input impedance                 | 2500 Ohm                                                                                                                 |
| Leakage current                 | 200 mA at $U_s = 5.5$ V and $U_{in} = 4$ V                                                                               |
| Absolute maximum input          | 30 V continuous<br>56 V during 1.3 ms decaying pulse                                                                     |
| Response time                   | $\leq 1$ ms from state 0 to state 1<br>$\leq 1$ ms from state 1 to state 0                                               |
| Protection type                 | Input protection by resistor limited                                                                                     |
| Power dissipation               | 1.7 W + (0.36 x number of points on)                                                                                     |
| Isolation between group and bus | 1780 Vrms for 1 minute                                                                                                   |
| Isolation between group         | 500 Vrms for 1 minute                                                                                                    |
| Local signalling                | 1 LED green bus communication is present (Active)<br>1 LED red external fault detected (F)<br>32 LEDs green input status |
| Marking                         | CE                                                                                                                       |
| Bus current requirement         | 330 mA                                                                                                                   |
| Module format                   | Standard                                                                                                                 |
| Product weight                  | 0.66 lb(US) (0.3 kg)                                                                                                     |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products 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

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Standards                             | UL 508<br>CSA C22.2 No 142                                                  |
| Product certifications                | GOST<br>RMRS<br>RINA<br>BV<br>DNV<br>ABS<br>C-Tick                          |
| Resistance to electrostatic discharge | 4 kV contact conforming to IEC 801-2<br>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                  | 00785901793823                       |
| Nbr. of units in pkg. | 1                                    |
| Package weight(Lbs)   | 0.9000000000000002                   |
| Returnability         | Y                                    |
| Country of origin     | CN                                   |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                              |
| RoHS (date code: YYWW)           | Compliant - since 0846 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| Product environmental profile    | Available                                                                                                                          |
| Product end of life instructions | Available                                                                                                                          |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                       |
| - - - - - Substance 1            | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.   |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Racks for Modules Mounting

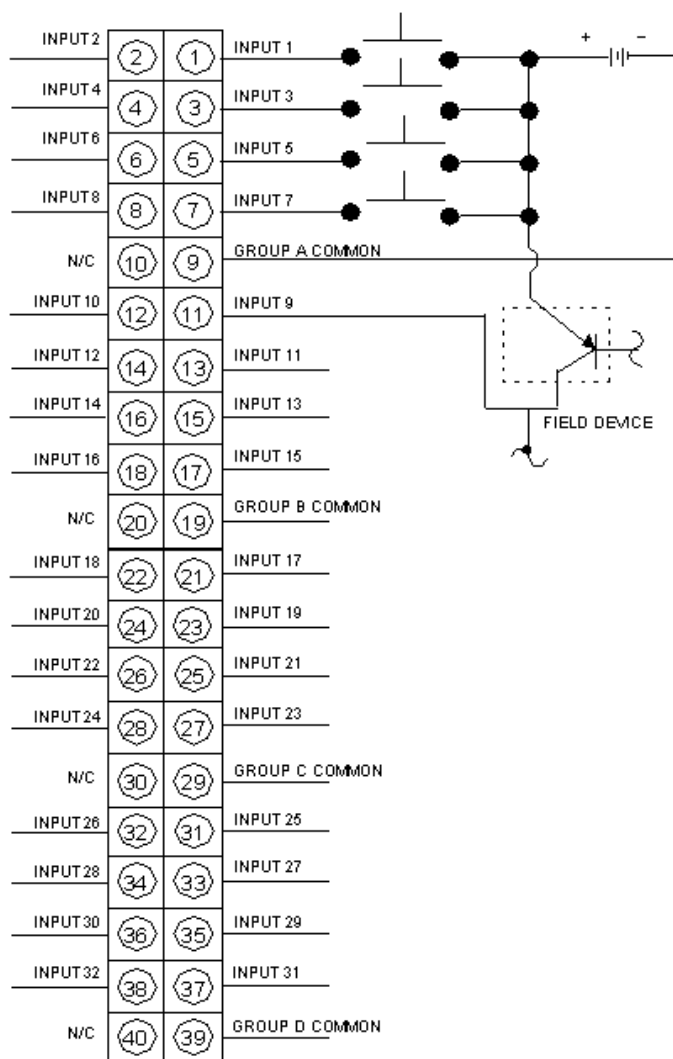
### Dimensions of Modules and Racks



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

## 24 Vdc Discrete Input Sink Module

### Wiring Diagram



N/C Not Connected