



### Main

|                           |                                       |
|---------------------------|---------------------------------------|
| Range of product          | Modicon Quantum automation platform   |
| Product or component type | Low voltage dc discrete input modules |
| Discrete input number     | 96                                    |

### Complementary

|                            |                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Group of channels          | 6                                                                                                                        |
| 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 | 5 V DC                                                                                                                   |
| Current state 1 guaranteed | $\geq 2.5$ mA                                                                                                            |
| Current state 0 guaranteed | $\geq 0.7$ mA                                                                                                            |
| Addressing requirement     | 6 words                                                                                                                  |
| Input impedance            | 6700 Ohm                                                                                                                 |
| Absolute maximum input     | 50 V decaying pulse<br>30 V continuous                                                                                   |
| Response time              | $\leq 3$ ms from state 1 to state 0<br>$\leq 2$ ms from state 0 to state 1                                               |
| Power dissipation          | 1.35 W + (0.13 x number of points on)                                                                                    |
| Isolation between group    | 500 Vrms for 1 minute                                                                                                    |
| Local signalling           | 96 LEDs green input status<br>1 LED red external fault detected (F)<br>1 LED green bus communication is present (Active) |
| Marking                    | CE                                                                                                                       |
| Bus current requirement    | $< 270$ mA                                                                                                               |
| Module format              | Standard                                                                                                                 |
| Product weight             | 0.3 kg                                                                                                                   |

### Environment

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Protective treatment                  | Conformal coating Humiseal 1A33                                             |
| Standards                             | CSA C22.2 No 142<br>UL 508                                                  |
| Product certifications                | C-Tick<br>FM Class 1 Division 2                                             |
| 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 1008 - <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

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24 Vdc 6x16 Input Module

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6 Groups of 16 Inputs A...F (6 x HE 10 Connectors)

