# Product datasheet

Specifications

Green Premium™

## discrete input module Modicon Quantum - 32 I - 115 V AC

Local distributor code:

395516157       140DAI55300

⚠ To be discontinued on: 31 Dec 2030

⚠ To be end-of-service on: 31 Dec 2030

⚠ **Discontinued - Service only**

**EAN Code: 3595861126930**

## Main

| | |
|---|---|
| **Range Of Product** | Modicon Quantum automation platform |
| **Product Or Component Type** | VAC discrete input modules |
| **Software Name** | Unity Pro<br>ProWORX 32<br>Concept |
| **Discrete Input Number** | 32 |

## Complementary

| | |
|---|---|
| **Group Of Channels** | 4 |
| **Addressing Requirement** | 2 input words |
| **Discrete Input Voltage** | 115 V AC |
| **Input Current** | 11.1 mA at 57...63 Hz<br>13.2 mA at 47...53 Hz |
| **Voltage State 1 Guaranteed** | 79...132 V AC at 57...63 Hz<br>85...132 V AC at 47...53 Hz |
| **Voltage State 0 Guaranteed** | 0...20 V AC at 57...63 Hz<br>0...20 V AC at 47...53 Hz |
| **Input Impedance** | 12000 Ohm capacitive at 57...63 Hz<br>14400 Ohm capacitive at 47...53 Hz |
| **Network Frequency Limits** | 47…63 Hz |
| **Maximum Leakage Current** | 2.1 mA |
| **Absolute Maximum Input** | 132 V continuous<br>156 V 10 s<br>200 V 1 cycle |
| **Response Time** | 4.9...0.75 ms x line cycle Off-On<br>7.3...12.3 ms On-Off |
| **Isolation Between Group** | 1780 Vrms for 1 minute |
| **Isolation Between Group And Bus** | 1780 Vrms for 1 minute |
| **Bus Current Requirement** | 250 mA |
| **Maximum Power Dissipation In W** | 10.9 W |
| **Local Signalling** | 1 LED (green) for bus communication is present (Active)<br>1 LED (red) for external fault detected (F)<br>32 LEDs (green) for input status |
| **Marking** | CE |
| **Module Format** | Standard |

| | |
|---|---|
| **Net Weight** | 0.33 kg |

# Environment

| | |
|---|---|
| **Standards** | CSA C22.2 No 142<br>UL 508 |
| **Product Certifications** | cUL<br>FM Class 1 Division 2 |
| **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** | 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 |

# Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 30.0 cm |
| **Package 1 Width** | 4.5 cm |
| **Package 1 Length** | 31.2 cm |
| **Package 1 Weight** | 448.0 g |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 7 |
| **Package 2 Height** | 30.0 cm |
| **Package 2 Width** | 30.0 cm |
| **Package 2 Length** | 40.0 cm |
| **Package 2 Weight** | 4.204 kg |

# Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

Life Is On | Schneider Electric

# Sustainability  Green Premium™

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ›

Guide to assess a product's sustainability ›

RoHS/REACh

## Well-being performance

✓ Reach Free Of Svhc

✓ Mercury Free

✓ Rohs Exemption Information      Yes

## Certifications & Standards

**Eu Rohs Directive**
Pro-active compliance (Product out of EU RoHS legal scope)

EU RoHS Declaration

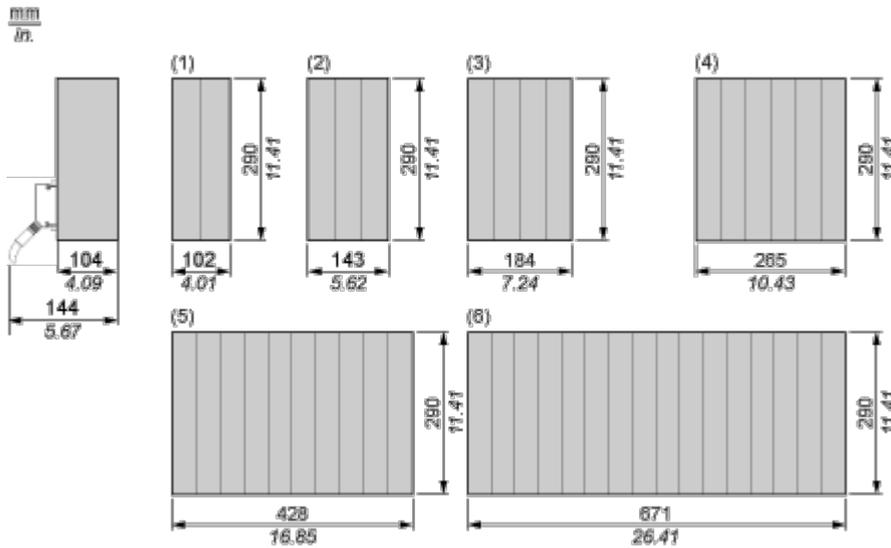**China Rohs Regulation**
China RoHS declaration

**Weee**
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

**Circularity Profile**
End of Life Information

Dimensions Drawings

**Racks for Modules Mounting**
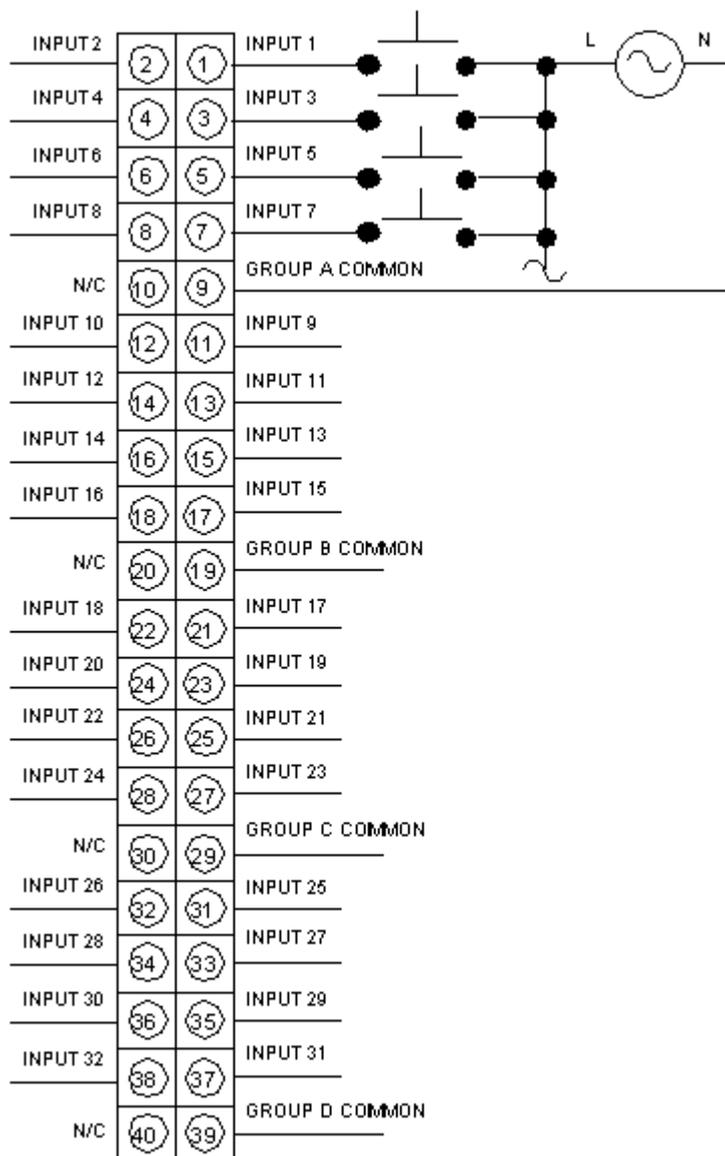
**Dimensions of Modules and Racks**



(1)     2 slots

(2)     3 slots

(3)     4 slots

(4)     6 slots

(5)     10 slots

(6)     16 slots

Connections and Schema

**115 Vac Discrete Input Module**

**Wiring Diagram**



N/C     Not Connected

NOTE: All inputs in a group must be from the same phase of line input voltage.