# Product data sheet

Specifications

**Green Premium™**

## discrete input module Modicon Quantum - 24 I - 125 V DC

140DDI67300

⚠ Discontinued on: Dec 31, 2022

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

⚠ **Discontinued**

## Main

| | |
|---|---|
| Range Of Product | Modicon Quantum automation platform |
| Product Or Component Type | Dc discrete input modules |
| Discrete Input Number | 24 |

## Complementary

| | |
|---|---|
| Group Of Channels | 3 |
| Logic Input | Positive (sink) |
| Input Voltage Limits | 88...150 V |
| Input Voltage | 125 V 2.5 mA DC |
| Absolute Maximum Voltage | 156.25 V including ripple |
| Addressing Requirement | 2 input words |
| Response Time | 0.7 ms from state 0 to state 1<br>0.7 ms from state 1 to state 0 |
| Isolation Between Group And Bus | 2500 Vrms DC for 1 minute |
| Isolation Between Group | 700 Vrms DC for 1 minute |
| Power Dissipation | 1 W + (0.62 x number of points on) |
| Marking | CE |
| Local Signalling | 1 LED (green) for bus communication is present (Active)<br>1 LED (red) for external fault detected (F)<br>24 LEDs (green) for input status |
| Bus Current Requirement | 200 mA |
| Module Format | Standard |
| Net Weight | 0.3 kg |

## Environment

| | |
|---|---|
| Standards | UL 508<br>CSA C22.2 No 142 |
| Product Certifications | C-Tick<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 |

List Price displayed is VAT EXCLUSIVE.

| | |
|---|---|
| **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** | 16.3 cm |
| **Package 1 Width** | 4.5 cm |
| **Package 1 Length** | 31.2 cm |
| **Package 1 Weight** | 452 g |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 7 |
| **Package 2 Height** | 30 cm |
| **Package 2 Width** | 30 cm |
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 3.108 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
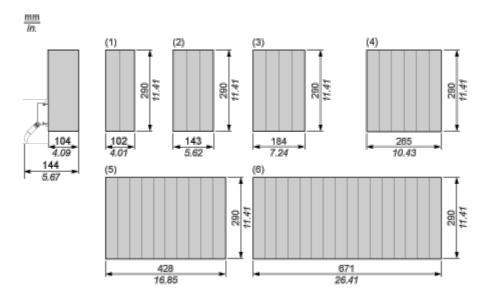
✅ Rohs Exemption Information        Yes

## 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

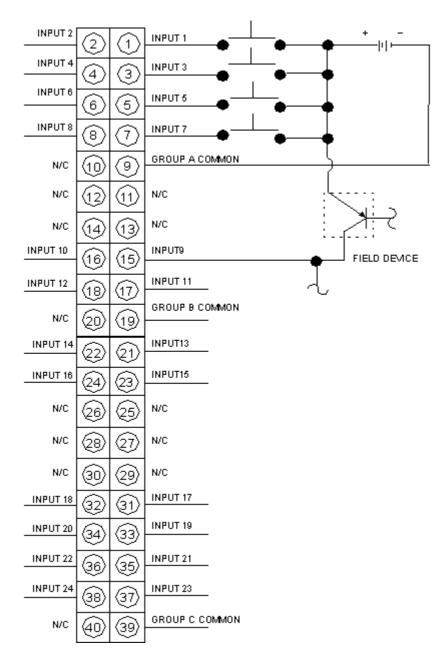**Racks for Modules Mounting**

**Dimensions of Modules and Racks**

mm
in.

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

Connections and Schema

**125 Vdc Discrete Input Sink Module**

**Wiring Diagram**



N/C    Not Connected