

Product data sheet

Specifications



discrete input module Modicon Quantum - 32 I - 24 V AC

140DAI35300

⚠ Discontinued on: Dec 31, 2022

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

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

| | |
|---------------------------|-------------------------------------|
| Range of Product | Modicon Quantum automation platform |
| Product or Component Type | VAC discrete input modules |
| Software name | ProWORX 32 Concept Unity Pro |
| Discrete input number | 32 |

Complementary

| | |
|---------------------------------|--|
| Group of channels | 4 |
| Addressing requirement | 2 input words |
| Discrete input voltage | 24 V AC |
| Input current | 11.1 mA 57...63 Hz 13.2 mA 47...53 Hz |
| Voltage state 1 guaranteed | 12...30 V AC 57...63 Hz 14...30 V AC 47...53 Hz |
| Voltage state 0 guaranteed | 0...5 V 57...63 Hz 0...5 V 47...53 Hz |
| Input impedance | 2600 Ohm capacitive 57...63 Hz 3100 Ohm capacitive 47...53 Hz |
| Network frequency limits | 47...63 Hz |
| Maximum leakage current | 1.9 mA |
| Absolute maximum input | 30 V continuous 32 V 10 s 50 V 1 cycle |
| Response Time | 4.9...0.75 ms x line cycle Off-On 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 | for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 32 LEDs (green) |
| Marking | CE |
| Module format | Standard |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

| | |
|------------|-----------------------|
| Net Weight | 0.75 lb(US) (0.34 kg) |
|------------|-----------------------|

Environment

| | |
|---------------------------------------|---|
| Standards | UL 508 CSA C22.2 No 142 |
| Product Certifications | FM Class 1 Division 2 cUL |
| Resistance to electrostatic discharge | 4 kV contact IEC 801-2 8 kV on air IEC 801-2 |
| Resistance to electromagnetic fields | 9.1 V/m (10 V/m) 80...2000 MHz 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 | US1PC2118155 |
| Discount Schedule | PC21 |
| GTIN | 3595861126886 |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|--------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.42 in (16.3 cm) |
| Package 1 Width | 1.77 in (4.5 cm) |
| Package 1 Length | 12.28 in (31.2 cm) |
| Package 1 Weight | 16.8 oz (475.0 g) |

Contractual warranty


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

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

|  Materials and Substances | |
|--|--|
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Use Again

|  Repack and remanufacture | |
|--|--|
| WEEE |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

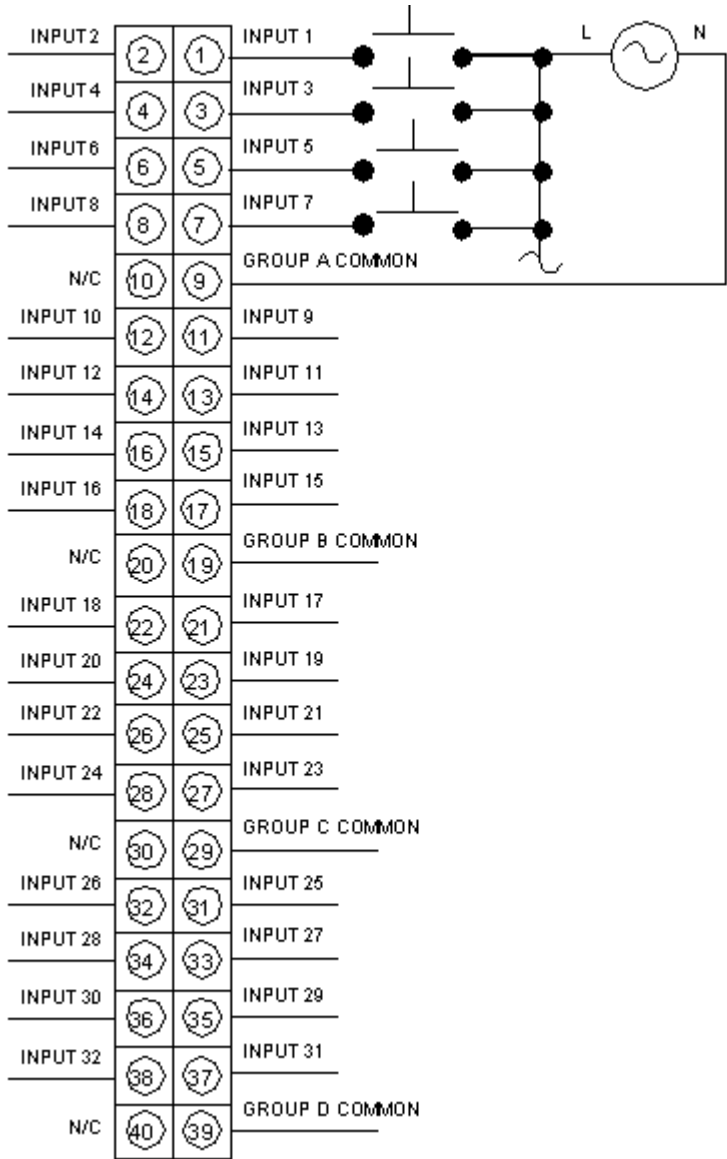


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected