

# 140DDI35310

## discrete input module Modicon Quantum - 32 I - 24 V DC

Product availability : Stock - Normally stocked in distribution facility

Price\* : 1720.41 USD



### 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                     | Negative (source)                                                                                                        |
| Discrete input voltage          | 24 V DC                                                                                                                  |
| Input voltage limits            | 19.2...30 V                                                                                                              |
| Voltage state 1 guaranteed      | -30...-15 V DC                                                                                                           |
| Voltage state 0 guaranteed      | -5...0 V DC                                                                                                              |
| Current state 1 guaranteed      | $\geq 2.5$ mA at $U_s = -14$ V                                                                                           |
| Current state 0 guaranteed      | $\leq 0.5$ mA                                                                                                            |
| Addressing requirement          | 2 input words                                                                                                            |
| Input impedance                 | 2400 Ohm                                                                                                                 |
| Leakage current                 | 200 mA at $U_s = 5.5$ V and $U_{in} = 4$ V                                                                               |
| Absolute maximum input          | 30 V continuous<br>50 V during 1 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               | 1.5 W + (0.26 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) |

## Environment

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 142<br>UL 508                                                  |
| Product certifications                | C-Tick<br>RINA<br>RMRS<br>FM Class 1 Division 2<br>GOST                     |
| 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                  | 00785901300588                       |
| Nbr. of units in pkg. | 1                                    |
| Package weight(Lbs)   | 0.9000000000000002                   |
| Returnability         | Y                                    |
| Country of origin     | CN                                   |

## Offer Sustainability

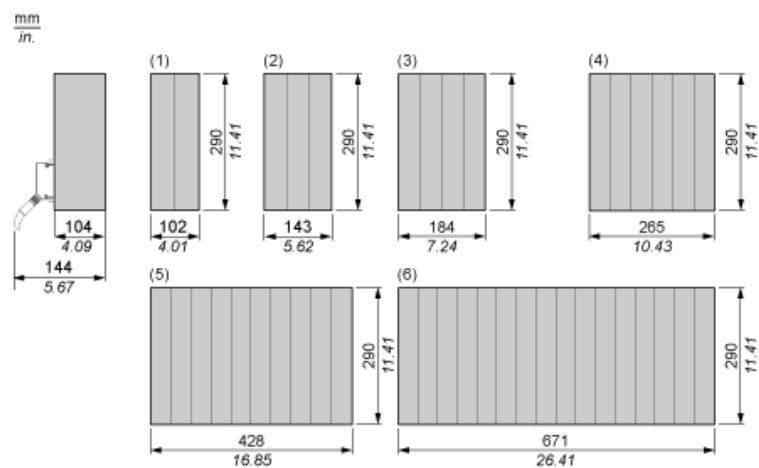
|                                  |                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                                                                                                     |
| RoHS (date code: YYWW)           | Compliant - since 0843 - Schneider Electric declaration of conformity<br><a href="#"> Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                                                                                                    |
| Product environmental profile    | Available                                                                                                                                                                                                                 |
| Product end of life instructions | Available                                                                                                                                                                                                                 |

## Contractual warranty

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

## Racks for Modules Mounting

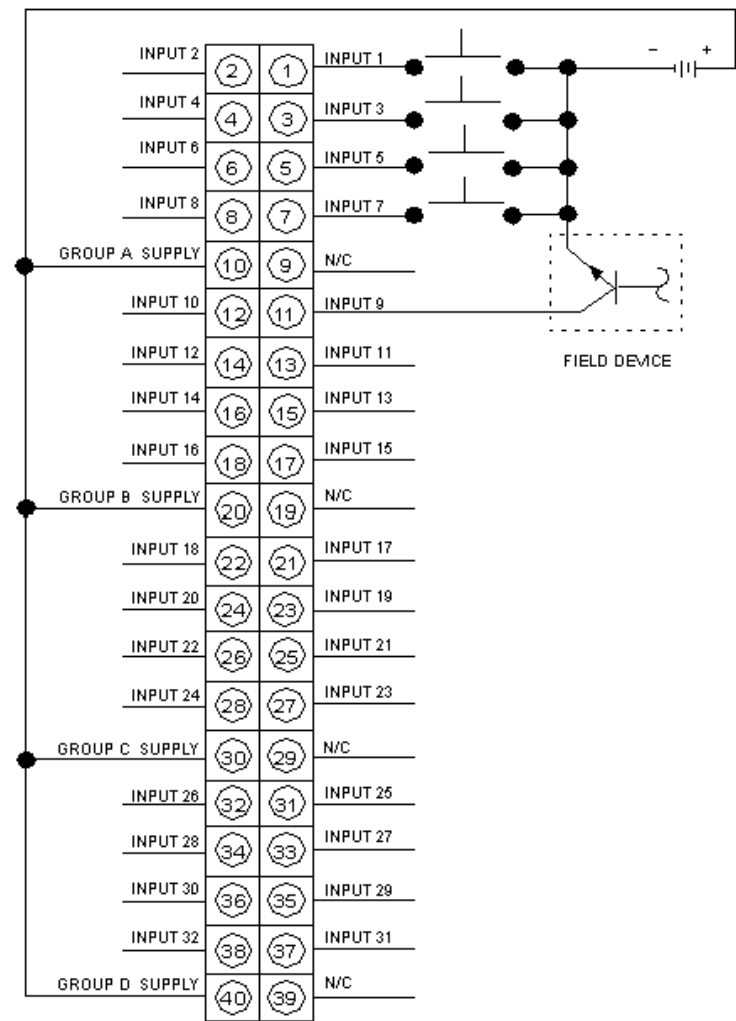
### Dimensions of Modules and Racks



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

24 Vdc Discrete Input Source Module

Wiring Diagram



N/C Not Connected