

Product datasheet

Specifications



discrete output module Modicon Quantum - 32 O - negative logic (sink)

Local distributor code:

395516351

140DDO35310

! Discontinued - Service only

! To be discontinued on: 31 Dec 2030

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

EAN Code: 3595861135673

Main

| | |
|---------------------------|-------------------------------------|
| Range of product | Modicon Quantum automation platform |
| Product or component type | Dc discrete output module |
| Discrete output number | 32 |

Complementary

| | |
|------------------------------------|--|
| Group of channels | 4 groups of 8 |
| Discrete output logic | Negative logic (sink) |
| Addressing requirement | 2 output words |
| Discrete output voltage | 24 V DC |
| Output voltage limits | 19.2...30 V |
| Absolute maximum output | 50 V for 1 s decaying pulse |
| Maximum voltage drop | <0.4 V 0.5 A |
| Maximum load current | 16 A per module 4 A per group |
| Surge current | 5 A for 1 ms |
| Response time | <= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0 |
| Maximum leakage current | 0.4 mA 30 V |
| Load inductance | $\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ |
| Maximum tungsten load | 12 W 24 V |
| Fault indication | Loss of field power Blown fuse |
| Associated fuse rating | 3 A each point 5 A per group |
| Isolation between channels and bus | 1780 Vrms DC for 1 minute |
| Isolation between group | 500 Vrms DC for 1 minute |
| Protection type | Internal output protection by 5 A fuse per group |
| Power dissipation | 2.0 W + (0.4 V x total load current) |
| Marking | CE |
| Local signalling | 1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 32 LEDs (green) for input status |

| | |
|--------------------------------|----------|
| Bus current requirement | 330 mA |
| Module format | Standard |
| Net weight | 0.45 kg |

Environment

| | |
|--|---|
| Product certifications | FM Class 1 Division 2 RINA GOST C-Tick RMRS |
| Standards | UL 508 CSA C22.2 No 142 |
| Resistance to electrostatic discharge | 4 kV contact conforming to IEC 801-2 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 | 16.3 cm |
| Package 1 Width | 4.5 cm |
| Package 1 Length | 31.2 cm |
| Package 1 Weight | 486.0 g |

Contractual warranty

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

Environmental Data

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

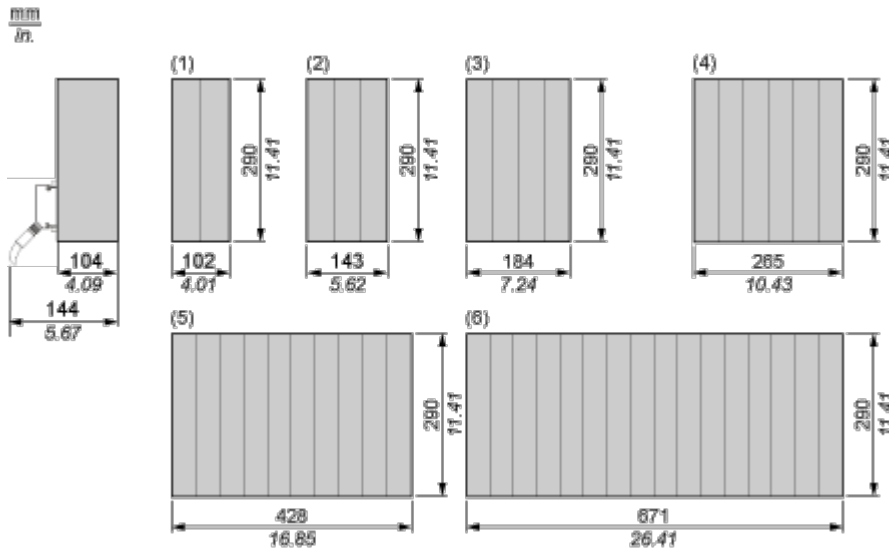
[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

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 Vdc Discrete Output Sink Module

Wiring Diagram

