



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 | Positive logic (source) |
| Addressing requirement | 2 output words |
| Discrete output voltage | 24 V DC |
| Output voltage limits | 19.2...30 V |
| Absolute maximum output | 56 V 1.3 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 0.0005 s |
| 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 | Inductance(H) = 0.5/((current(A)) ² x (switching frequency(Hz))) 50 Hz |
| Fault indication | Blown fuse Loss of field power |
| 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 | 1.75 W + (0.4 V x total module load current) |
| Marking | CE |
| 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) |
| Bus current requirement | 330 mA |
| Module format | Standard |
| Net Weight | 0.99 lb(US) (0.45 kg) |

Environment

| | |
|---------------------------------------|---|
| Product Certifications | GOST BV RMRS ABS DNV GL RINA C-tick FM Class 1 Division 2 Safety certification non interfering |
| Standards | UL 508 CSA C22.2 No 142 |
| Resistance to electrostatic discharge | 4 KV contact IEC 801-2 8 kV on air IEC 801-2 |
| Resistance to electromagnetic fields | 9.14 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 | 18155-QUANTUM I/O & POWER SUPPLIES |
| Discount Schedule | PC21 |
| GTIN | 3595861127050 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 15.34 oz (434.9 g) |
| Returnability | No |
| Country of origin | CN |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.81 in (4.59 cm) |
| Package 1 width | 6.47 in (16.44 cm) |
| Package 1 Length | 12.24 in (31.09 cm) |
| Unit Type of Package 2 | P12 |
| Number of Units in Package 2 | 168 |
| Package 2 Weight | 3312.59 oz (93912.0 g) |
| Package 2 Height | 37.40 in (95 cm) |
| Package 2 width | 31.50 in (80 cm) |
| Package 2 Length | 47.24 in (120 cm) |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 7 |
| Package 3 Weight | 124.80 oz (3538.0 g) |
| Package 3 Height | 11.81 in (30 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

Offer Sustainability

| | |
|---------------------------|---|
| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |

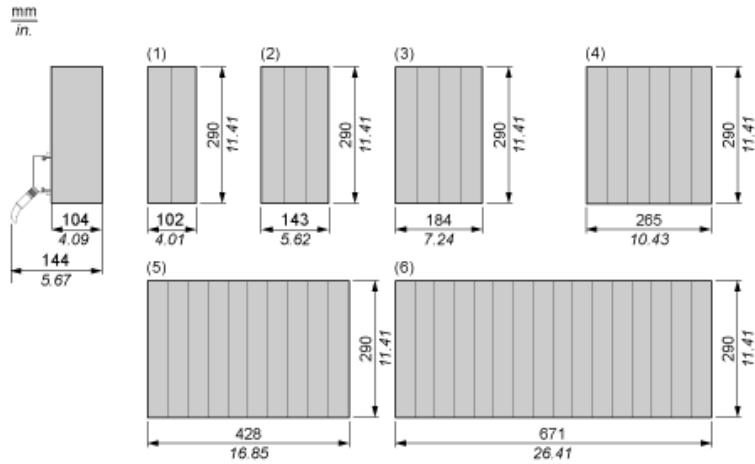
| | |
|----------------------------|--|
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 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 Output Source Module

Wiring Diagram

