**Product data sheet**

**Characteristics**

**140DRC83000**  
relay discrete output module Modicon Quantum - 8 O

Product availability: Stock - Normally stocked in distribution facility

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### Main

- **Range of product**: Modicon Quantum automation platform
- **Product or component type**: Relay discrete output module
- **Discrete output number**: 8

### Complementary

- **Contacts type and composition**: 1 NO/NC
- **Contact form**: Form C
- **Discrete output voltage**: 20...250 V AC
  - 30...150 V DC
  - 5...30 V DC
- **Addressing requirement**: 0.5 output word
- **Maximum load current**:  
  - 100 mA 30...50 V DC L/R = 10 ms
  - 2 A 250/30 V AC/DC tungsten 1/4 hp cos phi = 0.4
  - 3 A 250/30 V AC/DC
  - 300 mA 30...50 V DC resistive
  - 5 A 250/30 V AC/DC resistive 140 °F (60 °C)
- **Surge current**: 20 A 10 ms capacitive
- **Switching frequency**: 30 Hz resistive  
  - F = 0.5/I²L inductive
- **Switching capacity in VA**: 1250 VA resistive
- **Maximum response time on input open**:  
  - 10 ms at state 0 to state 1
  - 20 ms at state 1 to state 0
- **Mechanical durability**: 10000000 cycles
- **Electrical durability**:  
  - 100000 cycles 100 mA 30...150 V DC L/R = 10 ms
  - 100000 cycles 30...150 V DC interposing relay
  - 100000 cycles 300 mA 30...150 V DC resistive
  - 100000 cycles 5 A 30 V DC resistive
  - 200000 cycles 5 A 250 V AC resistive
  - 500000 cycles 500 mA 30...150 V DC resistive
- **Output overvoltage protection**: Internal by varistor, 275 V
- **Isolation between channels**: 1780 Vrms AC for 1 minute

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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.

Dec 8, 2019
Isolation between channels and bus | 2500 V DC
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Power dissipation | 2.75 W + (0.5 x the number of points on)
Marking | CE
Local signalling | Bus communication is present (Active) 1 LED green
External fault detected (F) 1 LED red
Input status 8 LEDs green
Bus current requirement | 560 mA
Module format | Standard
Net weight | 0.66 lb (US) (0.3 kg)

Environment

Product certifications | C-Tick
GOST
GL
RMRS
FM Class 1 Division 2
ABS
DNV
RINA
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 | 00785901794660
Package weight(Lbs) | 0.47 kg (1.04 lb (US))
Returnability | Yes
Country of origin | CN

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 Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH Regulation | REACH Declaration
EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)
EU RoHS Declaration | 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
Relay Output Normally Open/Normally Closed Module

Wiring Diagram

N/C  Not Connected
N.O.  Normally Open
N.C.  Normally Closed