



### Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of product          | Modicon Quantum automation platform |
| Product or component type | Relay discrete output module        |
| Discrete output number    | 16                                  |

### Complementary

|                                    |                                                                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts type and composition      | 1 NO                                                                                                                                                                                                                                                                          |
| Contact form                       | Form A                                                                                                                                                                                                                                                                        |
| Discrete output voltage            | 5...30 V DC<br>30...150 V DC<br>20...250 V AC                                                                                                                                                                                                                                 |
| Addressing requirement             | 1 output word                                                                                                                                                                                                                                                                 |
| Minimum load                       | $\geq 50$ mA 5...30 V DC<br>$\geq 50$ mA 20...250 V AC                                                                                                                                                                                                                        |
| Maximum load current               | 300 mA 30...50 V DC resistive<br>2 A 250/30 V AC/DC resistive at 60 °C<br>1 A 250/30 V AC/DC tungsten<br>1 A 250/30 V AC/DC 1/8 hp $\cos \phi = 0.4$                                                                                                                          |
| Surge current                      | $\leq 10$ A for 10 ms capacitive                                                                                                                                                                                                                                              |
| Switching capacity in VA           | 500 VA resistive                                                                                                                                                                                                                                                              |
| Response time on input opening     | $\leq 20$ ms at state 1 to state 0<br>$\leq 10$ ms at state 0 to state 1                                                                                                                                                                                                      |
| Mechanical durability              | 10000000 cycles                                                                                                                                                                                                                                                               |
| Electrical durability              | 50000 cycles 500 mA 30...150 V DC resistive<br>200000 cycles 2 A 250 V AC resistive<br>100000 cycles 300 mA 30...150 V DC resistive<br>100000 cycles 30...150 V DC interposing relay<br>100000 cycles 2 A 30 V DC resistive<br>100000 cycles 100 mA 30...150 V DC L/R = 10 ms |
| Output overvoltage protection      | Internal by varistor, 275 V                                                                                                                                                                                                                                                   |
| Isolation between channels         | 1780 Vrms AC for 1 minute                                                                                                                                                                                                                                                     |
| Isolation between channels and bus | 2500 V DC for 1 minute<br>1780 Vrms AC for 1 minute                                                                                                                                                                                                                           |
| Power dissipation                  | 5.5 W + (0.5 x the number of points on)                                                                                                                                                                                                                                       |
| Marking                            | CE                                                                                                                                                                                                                                                                            |
| Local signalling                   | 16 LEDs green input status<br>1 LED red external fault detected (F)<br>1 LED green bus communication is present (Active)                                                                                                                                                      |
| Bus current requirement            | 1100 mA                                                                                                                                                                                                                                                                       |
| Module format                      | Standard                                                                                                                                                                                                                                                                      |
| Product weight                     | 0.41 kg                                                                                                                                                                                                                                                                       |

## Environment

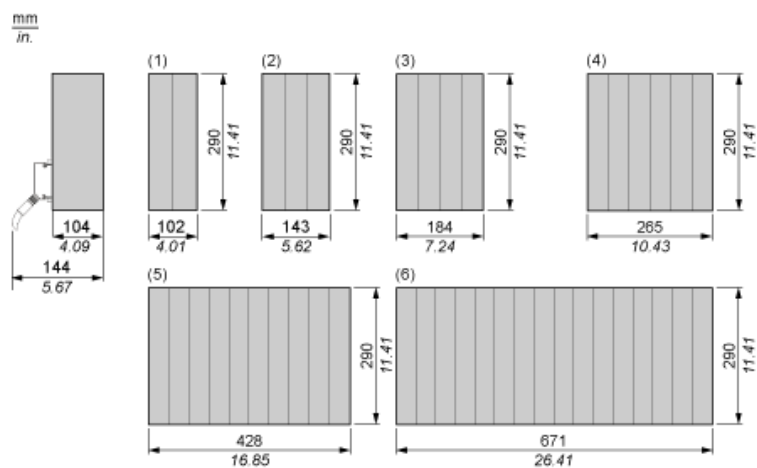
|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Product certifications                | ABS<br>C-Tick<br>FM Class 1 Division 2<br>GOST                              |
| Standards                             | CSA C22.2 No 142<br>UL 508                                                  |
| Resistance to electrostatic discharge | 8 kV on air conforming to IEC 801-2<br>4 kV contact 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                                                                   |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 1001 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Need no specific recycling operations                                                 |

## Racks for Modules Mounting

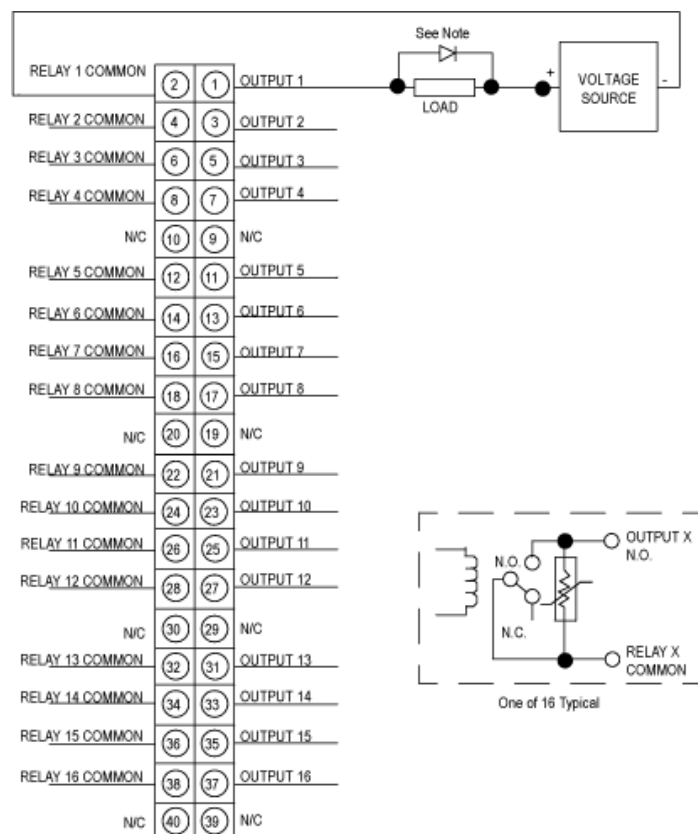
### Dimensions of Modules and Racks



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

## Relay Output Normally Open Module

### Wiring Diagram



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