



## Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of product          | Modicon Quantum automation platform |
| Product or component type | Power supply module                 |
| Power supply type         | Redundant                           |

## Complementary

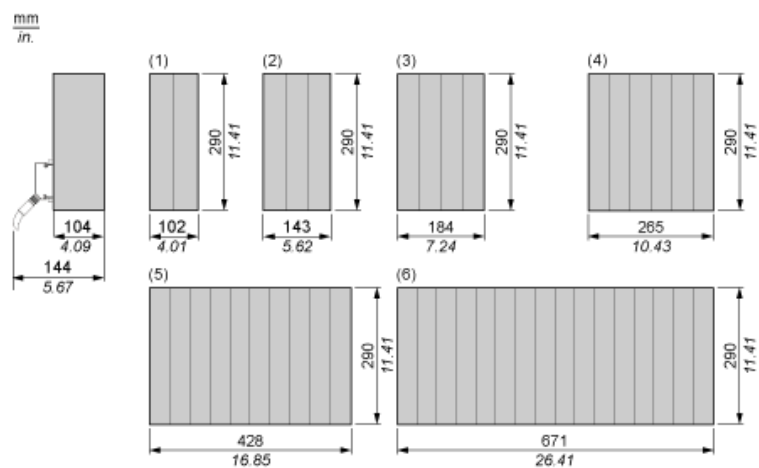
|                               |                                   |
|-------------------------------|-----------------------------------|
| Input voltage                 | 48...60 V DC 48...60 V            |
| Input current                 | <= 3800 mA                        |
| Inrush current                | 14 A 40 V                         |
| Input power interruption      | 13 ms 48 V                        |
| Associated fuse rating        | 2 A time-lag                      |
| Output voltage                | 5.1 V DC                          |
| Power supply output current   | 8 A redundant                     |
| Output overvoltage protection | Internal                          |
| Output overload protection    | Internal                          |
| Power dissipation             | 17.2 W                            |
| Alarm output                  | 1 NC 6 A 220 V power supply fault |
| Local signalling              | 1 LED green power (PWR OK)        |
| Marking                       | CE                                |
| Module format                 | Standard                          |
| Product weight                | 0.65 kg                           |

## Environment

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Protective treatment                  | Conformal coating Humiseal 1A33                                             |
| Standards                             | CSA C22.2 No 142<br>UL 508                                                  |
| Product certifications                | CUL                                                                         |
| 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                                                                   |

## Racks for Modules Mounting

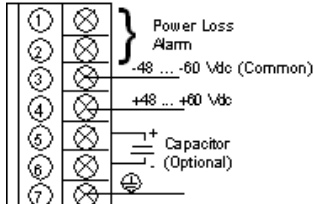
### Dimensions of Modules and Racks



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

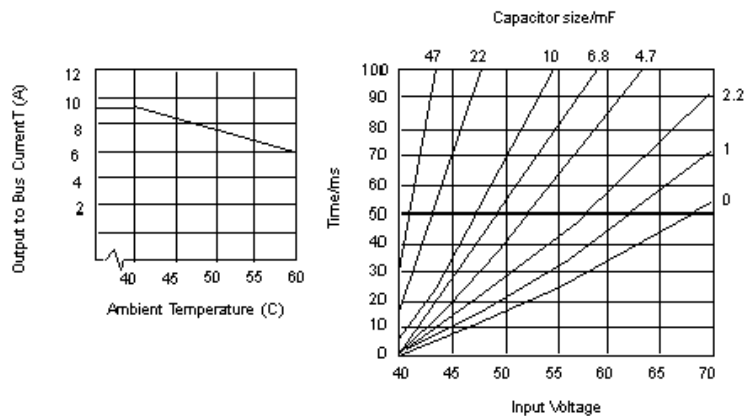
## 48 Vdc/8 A Redundant Power Supply Module

## Wiring Diagram



NOTE: A normally closed relay contact rated at 220 Vac, 6A / 30 Vdc, 5A is available on terminals 1 and 2 of the power terminal strip. This contact set may be used to signal input power OFF, or a power supply failure.

## Operating Curve and Hold-up Capacitor Timing Chart



NOTE: Tolerance to input interruptions may be increased by adding a  $\geq 80$  Vdc electrolytic capacitor between 5 and 6 of the power terminal strip. Refer to the hold-up capacitor timing chart (above) for capacitor values.