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### Main

|                           |   |
|---------------------------|---|
| Range of product          | Modicon Quantum automation platform           |
| Product or component type | Analogue input module                         |
| Type of filter            | Single pole low pass - 3 dB at 34 Hz +/- 25 % |

### Complementary

|   |  |
|---|--|
| Analogue input number                   | 16   |
| Input type                              | Differential   |
| Addressing requirement                  | 17 input words   |
| Analogue input resolution               | 0...16000 counts 4...20 mA<br>0...20000 counts 0...20 mA<br>0...25000 counts 0...25 mA<br>0...4095 counts 4...20 mA                              |
| Absolute maximum input                  | 30 mA  |
| Input impedance                         | 250 Ohm  |
| Absolute accuracy error                 | +/- 0.125 % of full scale  |
| Linearity error                         | +/- 12 µA max 4...20 mA<br>+/- 6 µA max 0...20 mA<br>+/- 6 µA max 0...25 mA<br>+/- 6 µA max 4...20 mA  |
| Accuracy drift according to temperature | +/- 0.0025 % of full scale/°C<br><= 0.0050 % of full scale /°C   |
| Common mode rejection                   | > -90 dB 60 Hz   |
| Isolation between channels and bus      | 1780 V AC for 60 s   |
| Update time                             | 15 ms 2 wires/4 wires  |
| Fault type                              | Broken wire 4...20 mA  |
| Marking                                 | CE   |
| Local signalling                        | 1 LED green bus communication is present (Active)<br>1 LED red external fault<br>16 LEDs green channel is turned on<br>16 LEDs red channel fault |

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

|                         |          |
|-------------------------|----------|
| Bus current requirement | 360 mA   |
| Power dissipation in W  | 5 W      |
| Module format           | Standard |
| Product weight          | 0.3 kg   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | CSA C22.2 No 142<br>UL 508  |
| Product certifications                | CUL<br>FM Class 1 Division 2  |
| Resistance to electrostatic discharge | 4 kV contact conforming to IEC 801-2<br>8 kV on air conforming to IEC 801-2 |
| Resistance to electromagnetic fields  | 10 V/m 80...1000 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

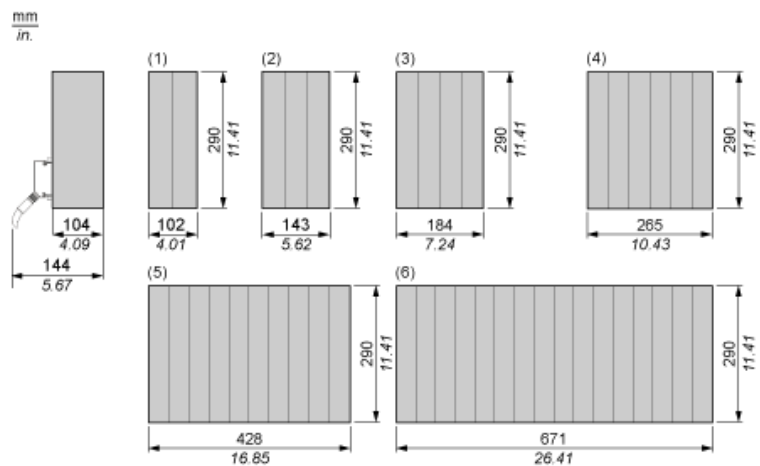
|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 0825 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available<br><a href="#">Product environmental</a>  |
| Product end of life instructions | Available<br><a href="#">End of life manual</a>   |

## Contractual warranty

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

Racks for Modules Mounting

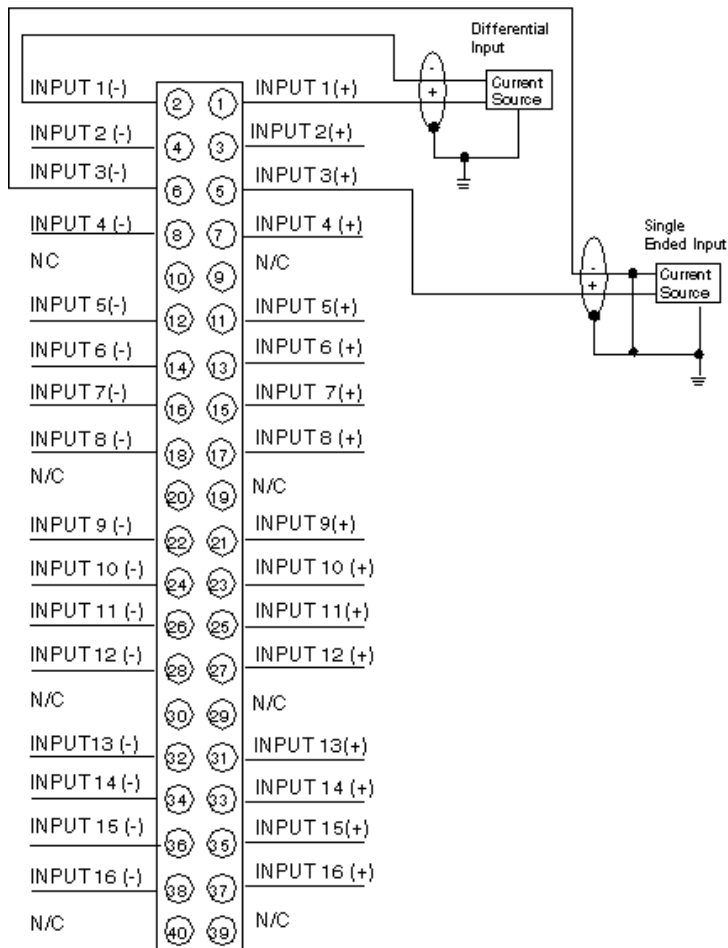
Dimensions of Modules and Racks



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

High Density Analog Input Module (16-Channel)

Wiring Diagram



N/C Not Connected

The maximum channel to channel working voltage cannot exceed 30 Vdc.