



## 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 |
| 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                                                                   |

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|                                     |                           |
|-------------------------------------|---------------------------|
| 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                             | Compliant - since 0825 - Schneider Electric declaration of conformity |
| Product environmental profile    | Available                                                             |
| Product end of life instructions | Need no specific recycling operations                                 |