



Main

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| Range of product | Modicon M340 automation platform |
| Product or component type | Analog input module |
| Electrical connection | 1 connector 28 ways |
| Input output isolation | Isolated |
| Input level | High level |
| Analogue input number | 8 |
| Analogue input type | Current +/- 20 mA Current 0...20 mA Current 4...20 mA Voltage +/- 10 V Voltage +/- 5 V Voltage 0...10 V Voltage 0...5 V Voltage 1...5 V |

Complementary

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| Analog/digital conversion | 16 bits |
| Analogue input resolution | 15 bits + sign |
| Input impedance | 4 MOhm |
| Permitted overload on inputs | +/- 30 mA 0...20 mA +/- 30 mA 4...20 mA +/- 30 V +/- 10 V +/- 30 V +/- 5 V +/- 30 V 0...10 V +/- 30 V 0...5 V +/- 30 V 1...5 V +/- 30 mA +/- 20 mA |
| Internal conversion resistor | 250 Ohm |
| Precision of internal conversion resistor | 0.1 % - 15 ppm/°C |
| Type of filter | First order digital filtering |
| Fast read cycle time | 1 ms + 1 ms x number of channels used |
| Nominal read cycle time | 9 ms for 8 channels |
| Measurement error | <= 0.1 % of full scale +/- 10 V 0...60 °C <= 0.1 % of full scale +/- 5 V 0...60 °C <= 0.1 % of full scale 0...10 V 0...60 °C <= 0.1 % of full scale 0...5 V 0...60 °C <= 0.1 % of full scale 1...5 V 0...60 °C <= 0.3 % of full scale +/- 20 mA 0...60 °C <= 0.3 % of full scale 0...20 mA 0...60 °C <= 0.3 % of full scale 4...20 mA 0...60 °C 0.15 % of full scale +/- 20 mA 25 °C 0.15 % of full scale 0...20 mA 25 °C 0.15 % of full scale 4...20 mA 25 °C 0.08 % of full scale +/- 10 V 25 °C 0.08 % of full scale 0...10 V 25 °C 0.08 % of full scale 0...5 V 25 °C 0.08 % of full scale 1...5 V 25 °C 0.08 % of full scale +/- 5 V 25 °C <= 0.2 % of full scale +/- 10 V 0...60 °C |
| Temperature drift | 30 ppm/°C 50 ppm/°C |
| Common mode between channels | >= 80 dB |
| Digital value format | +/- 10000 by default +/- 32000 in user scale |
| Isolation voltage | 300 V DC between channels 1400 V DC between channels and ground 1400 V DC between channels and bus |

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| Measurement resolution | 0.36 mV +/- 10 V 0.36 mV 0...10 V 0.36 mV 0...5 V 0.36 mV 1...5 V 0.36 mV +/- 5 V 1.4 µA +/- 20 mA 1.4 µA 0...20 mA 1.4 µA 4...20 mA |
| Maximum conversion value | +/- 11.4 V +/- 10 V +/- 11.4 V 0...10 V +/- 11.4 V 0...5 V +/- 11.4 V 1...5 V 0...30 mA +/- 20 mA 0...30 mA 0...20 mA 0...30 mA 4...20 mA 0...30 mA +/- 5 V |
| Status LED | 1 LED green RUN 1 LED per channel green channel diagnostic 1 LED red ERR 1 LED red I/O |
| Product weight | 0.165 kg |
| Current consumption | 150 mA at 3.3 V DC 45 mA at 24 V DC |

Environment

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| Ambient air temperature for operation | 0...60 °C |
| Relative humidity | 10...95 % without condensation |
| IP degree of protection | IP20 |
| Protective treatment | TC |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 0901 - Schneider Electric declaration of conformity |
| REACH | Reference contains SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |