

Product data sheet

Specifications



Analog safety input module, Modicon Quantum, 8 input words, 16 bits resolution, 60Hz

140SAI94000S

Discontinued on: Mar 15, 2022

Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon Quantum automation platform
Product or Component Type	Analogue safety input module
Type of filter	Single pole low pass - 3 dB at 15 Hz

Complementary

Analogue input number	8
Addressing requirement	13 input words
Analogue input resolution	16 bits
Linear measuring range	0...25 mA
Absolute maximum input	35 mA
Input impedance	287 Ohm
Absolute accuracy error	+/- 0.3 % +/- 0.35 % of full scale maximum
Linearity error	+/- 2 µA max 32...140 °F (0...60 °C)
Common mode rejection	- 65 dB 60 Hz - 70 dB 50 Hz
Isolation between channels and bus	1500 V AC 60 s
Isolation between channels	500 V AC 60 s
Update time	15 ms
Fault type	Overtaking scale
Marking	CE
Local signalling	for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 8 LEDs (green) for system failure, diagnostic of internal channel fault 8 LEDs (red)
Bus current requirement	400 mA
Power dissipation in W	3.5 W

Environment

Product Certifications	UL C-tick CSA HazLoc TÜV Rheinland (SIL2) CSA
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Ordering and shipping details

Category	US1PC2118151
Discount Schedule	PC21
GTIN	3595863953534
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.85 in (4.7 cm)
Package 1 Width	6.38 in (16.2 cm)
Package 1 Length	12.40 in (31.5 cm)
Package 1 Weight	17.6 oz (500.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.6 lb(US) (3.9 kg)

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances

[EU RoHS Directive](#)

Pro-active compliance
(Product out of EU RoHS legal scope)

China RoHS Regulation

[China RoHS declaration](#)

California proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

Circularity Profile

[End of Life Information](#)

WEEE

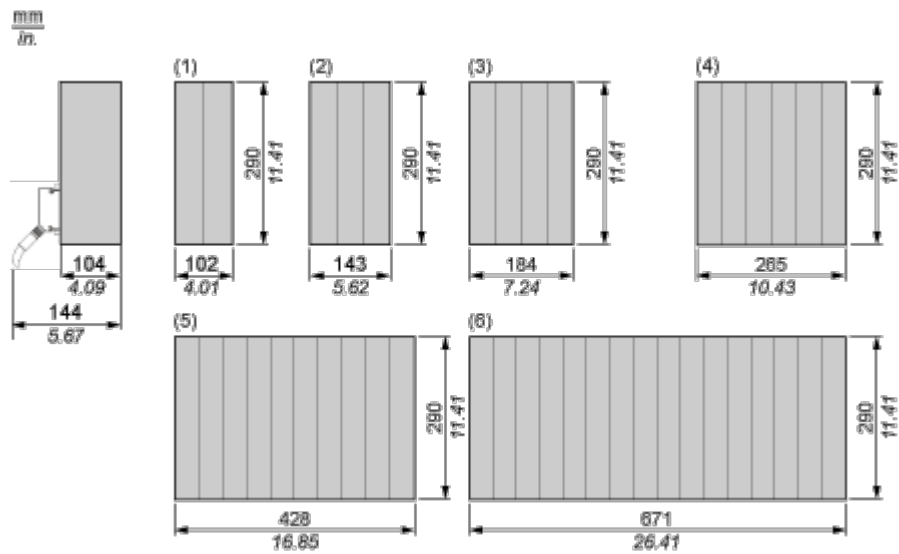


The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

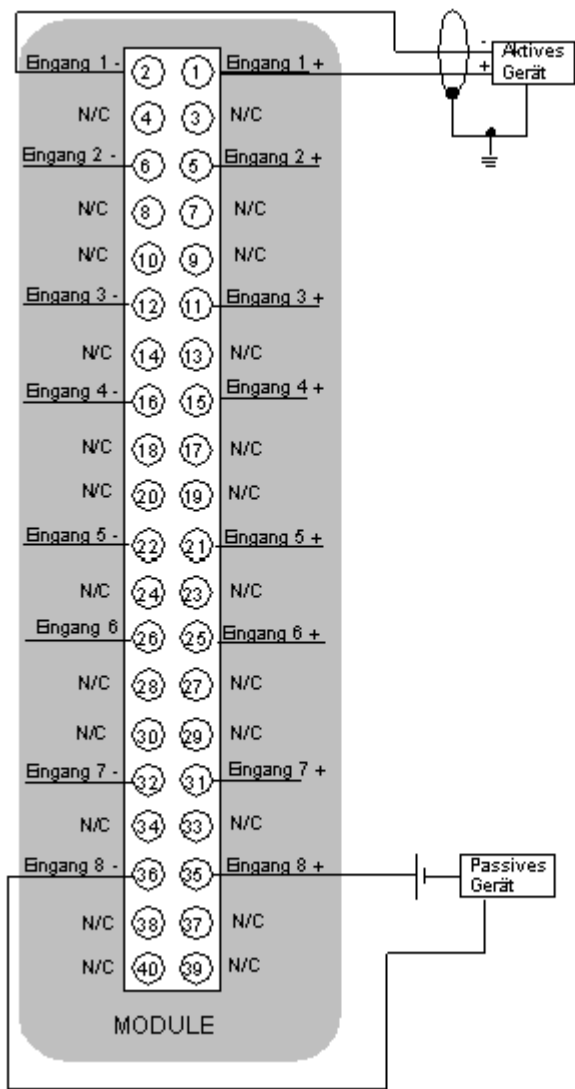


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

16 Bits 4-20 mA, 8-Channel Current Analog Input Module

Wiring Diagram



N/C: No Connected

- internal input impedance: 287 Ohm
- Rmin of the passive device: 913 Ohm
- Rmax of the passive device: 7713 Ohm