Product data sheet

Specifications

Green Premium™

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

140SAI94000S

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	Overtacking scale
Marking	CE
Local Signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 8 LEDs green) 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

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	17.64 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	8.60 lb(US) (3.9 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ›

Guide to assess a product's sustainability ›

RoHS/REACh

Well-being performance

✓ Reach Free Of Svhc

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards
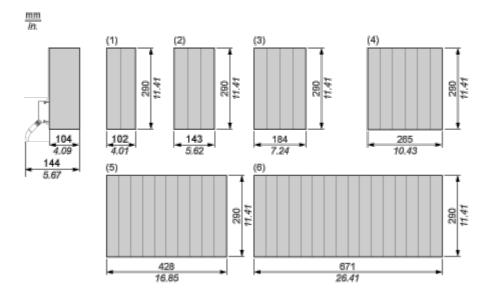
Eu Rohs Directive
Pro-active compliance (Product out of EU RoHS legal scope)

EU RoHS Declaration

China Rohs Regulation
China RoHS declaration

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

Circularity Profile
End of Life Information

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks
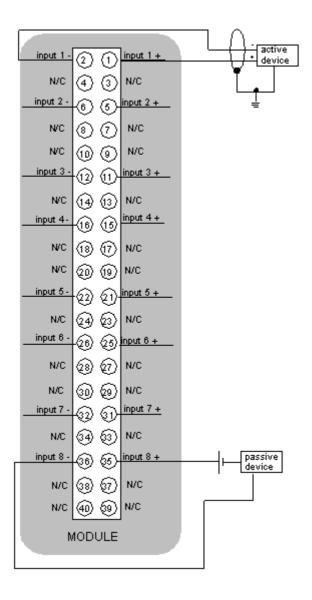
(1)	2 slots
(2)	3 slots
(3)	4 slots
(4)	6 slots
(5)	10 slots
(6)	16 slots

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