

Product data sheet

Specifications



analogue safety input module - 8 inputs - 13 input words

140SAI94000S

! Discontinued on: 31 December 2021

! To be end-of-service on: 31 December 2029

! Discontinued - Service only

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 at 0...60 °C
Common mode rejection	- 65 dB 60 Hz - 70 dB 50 Hz
Isolation between channels and bus	1500 V AC for 60 s
Isolation between channels	500 V AC for 60 s
Update time	15 ms
Fault type	Overtacking scale
Marking	CE
Local signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 8 LEDs (green) for input status 8 LEDs (red) for system failure, diagnostic of internal channel fault
Bus current requirement	400 mA
Power dissipation in W	3.5 W

Environment

Product certifications	UL C-Tick CSA HazLoc
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	500.0 g
Package 1 Height	4.7 cm
Package 1 width	16.2 cm
Package 1 Length	31.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	3.9 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

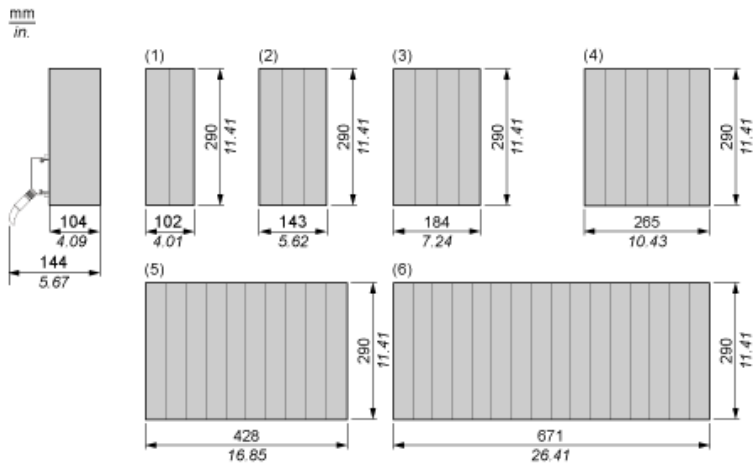
Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
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
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

Contractual warranty

Warranty	18 months
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Racks for Modules Mounting

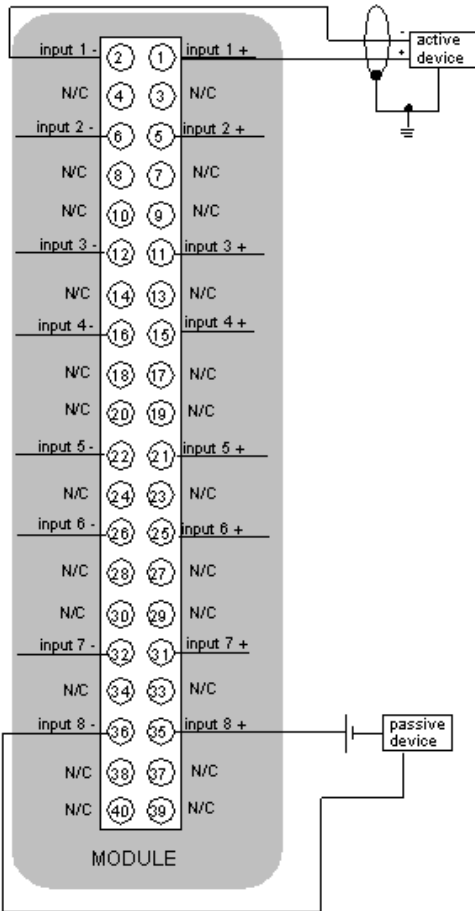
Dimensions of Modules and Racks



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

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

Recommended replacement(s)

140SAI94000S is replaced by the following product range:



Modicon X80 modules

The common platform of modules for Modicon M580 and M340 PACs

Products: 218