

Schneider Electric 140ATI03000

analog input module Modicon Quantum - 8 I thermocouple

140ATI03000

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Analogue input module

Type of filter

Notch filter - 3 dB at 50/60 Hz

Single pole low pass - 3 dB at 20 Hz

Complementary

Analogue input number

8

Addressing requirement

10 input words

Analogue input type

Thermocouple - 210...760 ° C thermocouple J

Thermocouple - 270...1000 ° C thermocouple E

Thermocouple - 270...1370 ° C thermocouple K

Thermocouple - 270...400 ° C thermocouple T

Thermocouple - 50...1665 ° C thermocouple R

Thermocouple - 50...1665 ° C thermocouple S

Analogue input resolution

16 bits

Absolute accuracy error

+/- 2 ° C plus + 0.1 % of reading thermocouple E

+/- 2 ° C plus + 0.1 % of reading thermocouple J

+/- 2 ° C plus + 0.1 % of reading thermocouple K

+/- 2 ° C plus + 0.1 % of reading thermocouple T

+/- 4 ° C plus + 0.1 % of reading thermocouple R

+/- 4 ° C plus + 0.1 % of reading thermocouple S

Linearity error

1 ° C, 0.1 ° C, 1 F, 0.1 F - 210...760 ° C

1 ° C, 0.1 ° C, 1 F, 0.1 F - 270...1000 ° C

1 ° C, 0.1 ° C, 1 F, 0.1 F - 270...1370 ° C

1 ° C, 0.1 ° C, 1 F, 0.1 F - 270...400 ° C

1 ° C, 0.1 ° C, 1 F, 0.1 F - 50...1665 ° C

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Accuracy drift according to temperature
0.15 $\mu\text{V}/^{\circ}\text{C}$ + 0.0015 % of reading/ $^{\circ}\text{C}$ max low level voltage
Common mode rejection
> - 120 dB 50/60 Hz
Isolation between channels and bus
1780 V AC 60 s
2500 V DC 60 s
Isolation between channels
300 V DC
220 V AC
Update time
1000 ms
Fault type
Broken wire
Overtacking scale
Marking
CE
Cold junction compensation
Internal 32...140 $^{\circ}\text{F}$ (0...60 $^{\circ}\text{C}$)
Local signalling
1 LED (green) for bus communication is present (Active)
1 LED (red) for external fault
8 LEDs (green) for channel is turned on
8 LEDs (red) for channel fault
Bus current requirement
280 mA
Power dissipation in W
1.5 W
Module format
Standard
Net Weight
0.7 lb(US) (0.3 kg)
Environment
Standards
CSA C22.2 No 142
UL 508
Product Certifications
cUL
FM Class 1 Division 2
Resistance to electrostatic discharge
4 kV contact IEC 801-2

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8 kV on air IEC 801-2
Resistance to electromagnetic fields
9.1 V/m (10 V/m) 80...1000 MHz IEC 801-3
Ambient air temperature for operation
32...140 ° F (0...60 ° C)
Ambient Air Temperature for Storage
-40...185 ° F (-40...85 ° C)
Relative Humidity
95 % without condensation
Operating altitude
≤ 16404.2 ft (5000 m)
Ordering and shipping details
Category
US1PC2118155
Discount Schedule
PC21
GTIN
3595861126602
Returnability
No
Packing Units
Unit Type of Package 1
PCE
Nbr. of units in pkg.
1
Package 1 Height
1.97 in (5.000 cm)
Package 1 Width
6.50 in (16.500 cm)
Package 1 Length
12.40 in (31.500 cm)
Package weight(Lbs)
14.991 oz (425.000 g)

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