MODICON QUANTUM

Product Data Sheet

140ACI04000

Sixteen-channel analog input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
Sixteen-channel analog input module	**Modicon Quantum**	**France**	**0.32 kg**

Schneider Electric 140ACI04000 is a Sixteen-channel analog input module for the Modicon Quantum. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Product family	Modicon Quantum
Module type	16-channel analog input module
Input topology	Differential current inputs
Input ranges	0 to 20 mA, 4 to 20 mA and 0 to 25 mA
Addressing requirement	17 input words
High-resolution scaling	0 to 16,000; 0 to 20,000; or 0 to 25,000 counts
Standard-resolution scaling	0 to 4,095 counts for 4 to 20 mA
Input filter	Single-pole low-pass, -3 dB at 34 Hz ±25%
Absolute maximum input	30 mA
Input impedance	250 ohm

02 ADDITIONAL PRODUCT DATA

Absolute accuracy	±0.125% of full scale
Common-mode rejection	Greater than 90 dB at 60 Hz
Channel-to-bus isolation	1,780 V AC for 60 seconds
Update time	15 ms for 2-wire or 4-wire inputs
Bus current and dissipation	360 mA; 5 W

03 OFFICIAL APPLICATIONS

- Industrial Manufacturing and Continuous Production: Discrete manufacturing and assembly production; Continuous industrial production processes
- Municipal Water and Industrial Wastewater Services: Municipal water and wastewater treatment; Industrial water and environmental treatment
- Thermal, Hydroelectric and Renewable Power Generation: Thermal and hydroelectric power production; Renewable generation and energy integration

04 SYSTEM COMPATIBILITY

Match 140ACI04000 to the installed Modicon Quantum, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

Schneider Electric Modicon Quantum Discrete and Analog I/O Reference Manual - 140ACI04000 technical data

Official Schneider Electric technical documentation for 140ACI04000

AMIKON PRODUCT SUPPORT

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