

Schneider Series Service Manual

140AMM09000C

1. Description

The 140AMM09000C from Schneider Electric is designed as a robust analog input module within the Modicon Quantum series. It features four analog inputs and is equipped with a single pole low pass filter, ensuring efficient signal processing at a frequency of 21 Hz. The module facilitates data communication with five input words and two output words. It requires a bus current of 350 mA for operation. This component operates effectively in environments with a maximum ambient temperature of 40 degree

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Analog Input Module
Product	Line Modicon Quantum
Part	Number 140AMM09000C
EAN	3595861136199
Filter	Type Single Pole Low Pass
Frequency	21 Hz
Number	of Output Words 2
Number	of Input Words 5
Analog	Input Number 4
Bus	Current Requirement 350 mA
Maximum	Ambient Temperature 40 degrees Celsius
Minimum	Ambient Temperature 0 degrees Celsius
Max.	Operating Humidity 80% (non-condensing)
Max.	Storage Humidity 80% (non-condensing)
Max.	Operating Altitude 1000m above sea level

3. Product Information

The 140AMM09000C from Schneider Electric is designed as a robust analog input module within the Modicon Quantum series. It features four analog inputs and is equipped with a single pole low pass filter, ensuring efficient signal processing at a frequency of 21 Hz. The module facilitates data communication with five input words and two output words. It requires a bus current of 350 mA for operation. This component operates effectively in environments with a maximum ambient temperature of 40 degrees Celsius and a minimum of 0 degrees Celsius.

Technical specifications for 140AMM09000C

Manufacturer Schneider Electric

Product Type Analog Input Module

Product Line Modicon Quantum

Part Number 140AMM09000C

EAN 3595861136199

Filter Type Single Pole Low Pass

Frequency 21 Hz

Number of Output Words 2

Number of Input Words 5

Analog Input Number 4

Bus Current Requirement 350 mA

Maximum Ambient Temperature 40 degrees Celsius

Minimum Ambient Temperature 0 degrees Celsius

Max. Operating Humidity 80% (non-condensing)

Max. Storage Humidity 80% (non-condensing)

Max. Operating Altitude 1000m above sea level

Description

The Schneider Electric 140AMM09000C is an analog input module tailored for applications within the Modicon Quantum series. This module provides four analog inputs and is essential for converting analog signals into digital data for processing. It incorporates a single pole low pass filter that operates at a frequency of 21 Hz, ensuring that relevant data is acquired while filtering out higher frequency noise.

With capabilities to manage five input words, the module generates two output words. It operates with a bus current requirement of 350 mA to ensure reliable performance in your system. This component has been designed to function correctly within designated environmental conditions—maintaining performance in temperatures ranging from a minimum of 0 degrees Celsius to a maximum of 40 degrees Celsius.

Its construction allows for maximum operating humidity levels not exceeding 80%, ensuring functionality in various industrial settings without the risk of condensation. In addition, the module can be utilized at altitudes reaching up to 1000 meters above sea level. Weighing 0.3 kg, the unit’s compact nature aids in installation and integration into existing systems.