

Schneider Series Service Manual

140CRA21100C

1. Description

The 140CRA21100C from Schneider Electric is an I/O module within the Modicon Quantum series, designed to facilitate various applications. This module operates at AC voltage and supports material handling, packaging, textile, and control applications.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type I/O Module
Product	Line Modicon Quantum
Part	Number 140CRA21100C
Voltage	Type AC
Material	Handling Applications Supported
Packaging	Applications Supported
Textile	Machine Applications Supported
Control	Applications Supported
Operating	Temperature 0 to 40 degrees Celsius
Storage	Temperature 0 to 50 degrees Celsius
Maximum	Operating Humidity 80% RH, non-condensing
Maximum	Storage Humidity 80% RH, non-condensing
Maximum	Operating Altitude 1000m above sea level
Maximum	Storage Altitude 1000m above sea level

3. Product Information

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Technical specifications for 140CRA21100C

Manufacturer Schneider Electric

Product Type I/O Module

Product Line Modicon Quantum

Part Number 140CRA21100C

Voltage Type AC

Material Handling Applications Supported

Packaging Applications Supported

Textile Machine Applications Supported

Control Applications Supported

Operating Temperature 0 to 40 degrees Celsius

Storage Temperature 0 to 50 degrees Celsius

Maximum Operating Humidity 80% RH, non-condensing

Maximum Storage Humidity 80% RH, non-condensing

Maximum Operating Altitude 1000m above sea level

Maximum Storage Altitude 1000m above sea level

Description

The Schneider Electric model 140CRA21100C is an I/O module that functions effectively within the Modicon Quantum series. This unit is compatible with AC voltage, making it versatile for multiple applications in industrial settings, including material handling, packaging, and textile processes. The controller is designed to support various control applications as well.

It can function in environments with operating temperatures ranging from 0 to 40 degrees Celsius while being capable of being stored in conditions up to 50 degrees Celsius. The module maintains maximum operational reliability with a humidity tolerance of 80% relative humidity, assuming non-condensing environments. For operation and storage, the 140CRA21100C can function effectively at altitudes up to 1000 meters above sea level. Overall, the device is engineered to provide stable performance across a variety of conditions and applications.