Schneider □□□ Series Service Manual

140CHS41010

1. Description

The Schneider Electric 140CHS41010 is a comprehensive hot standby kit designed for system redundancy and reliability within the Modicon Quantum series. This kit includes essential components to facilitate seamless operation in critical applications requiring high availability.

2. Specifications

Specification	Value
Manufacturer	**Schneider Electric**
Product	**Type Hot Standby Kit**
Product	**Line Modicon Quantum**
Part	**Number 140CHS41010**
Installation	**Manual 1**
140CPU11302	**Quantum CPUs 2**
S908	**Terminator Kit 1**
140CRP93101	**Remote I/O Processors 2**
140XBP00600	**Backplanes 2**
Fiber	**Optic (3m) Hot Standby Cable 1**
140CPS11100	**Power Supplies 2**
140CHS11000	**Hot Standby Processors 2**
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**

3. Product Information

The Schneider Electric 140CHS41010 is a comprehensive hot standby kit designed for system redundancy and reliability within the Modicon Quantum series. This kit includes essential components to facilitate seamless operation in critical applications requiring high availability.

Technical specifications for 140CHS41010

Manufacturer Schneider Electric

Product Type Hot Standby Kit

Product Line Modicon Quantum

Part Number 140CHS41010

Installation Manual 1

140CPU11302 Quantum CPUs 2

S908 Terminator Kit 1

140CRP93101 Remote I/O Processors 2

140XBP00600 Backplanes 2

Fiber Optic (3m) Hot Standby Cable 1

140CPS11100 Power Supplies 2

140CHS11000 Hot Standby Processors 2

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

Description

The 140CHS41010 from Schneider Electric serves as a hot standby kit developed for the Modicon Quantum series. Key components include two Quantum CPUs (140CPU11302) for processing tasks along with two remote I/O processors (140CRP93101) to manage input and output functions effectively.

To enhance performance, it is equipped with two 140XBP00600 backplanes, providing the necessary connectivity for various modules. Supporting components like the S908 terminator kit ensure reliable network communication.

The assembly features two 140CPS11100 power supplies, enhancing system reliability through redundancy. Two dedicated hot standby processors (140CHS11000) are included to enable seamless transitions in case of a primary unit failure.

With a permissible operating temperature range of 0 to 40 degrees Celsius and a storage temperature limit of 0 to 50 degrees Celsius, this kit is suited for a variety of industrial environments. Additionally, the module can operate in locations with humidity levels up to 80% relative humidity without condensation, making it appropriate for demanding conditions. The inclusion of a 3-meter fiber optic hot standby cable helps maintain reliable connections, reinforcing system performance.