

Schneider 140EHC20800SC Manual

Brand	Schneider
Product Series	Schneider
Product Type	Incremental or quadrature

Description

The Schneider Electric 140EHC20800SC is a high-speed counter module designed for precision counting tasks. It supports both incremental and quadrature input types and operates at a counting frequency of up to 500,000 Hz, making it highly efficient for various applications.

Technical specifications for 140EHC20800SC

Manufacturer Schneider Electric

Product Line Modicon Quantum

Part Number 140EHC20800SC

Product High Speed Counter Module

Counting Input Type Incremental or quadrature

Counting Frequency 500000 Hz

Input Resistance 10 kOhm discrete input

Discrete Output Number 4

Discrete Output Type Field Effect Transistor (FET)

Load Current 0.5 A

Maximum Leakage Current 0.4 mA state off

Protection Type 36 V transorb discrete output

Output Short-Circuit Protection Blown fuse 2.5 A

External Power Requirement 19.2 to 30 V

Resistance to Electromagnetic Fields 9.1 V/m

Operating Altitude 5000 m

Description

The 140EHC20800SC model from Schneider Electric is a specialized high-speed counter module tailored for demanding counting applications. It can accept both incremental and quadrature input types, allowing for enhanced versatility across different setups. This module achieves an impressive counting frequency of 500,000 Hz, ensuring rapid and accurate measurement.

With an input resistance of 10 kOhm for discrete inputs, it can be integrated easily into various systems. Users will benefit from four discrete outputs, each utilizing Field Effect Transistor (FET) technology. This design enables a load current of 0.5 A, which is suitable for a wide range of tasks. The module is engineered to minimize leakage, with a maximum current of 0.4 mA while in an off state.

In terms of safety and protection, the module features a 36 V transorb discrete output and a blown fuse rated at 2.5 A to protect against short circuits. It requires an external power supply within the range of 19.2 to 30 V, ensuring adaptability to various powering options.

This counter module is also designed with resistance to electromagnetic fields, with an impressive rating of 9.1 V/m, contributing to its reliability in challenging environments. For installations at high altitudes, the module can operate effectively at elevations up to 5000 meters.

Technical Specifications

Manufacturer Schneider Electric
Product Line Modicon Quantum
Part Number 140EHC20800SC
Product High Speed Counter Module
Counting Input Type Incremental or quadrature
Counting Frequency 500000 Hz
Input Resistance 10 kOhm discrete input
Discrete Output Number 4
Discrete Output Type Field Effect Transistor (FET)
Load Current 0.5 A
Maximum Leakage Current 0.4 mA state off
Protection Type 36 V transorb discrete output
Output Short-Circuit Protection Blown fuse 2.5 A
External Power Requirement 19.2 to 30 V
Resistance to Electromagnetic Fields 9.1 V/m
Operating Altitude 5000 m

www.AutoDCSTech.com