

Schneider Series Service Manual

140DVO85300C

1. Description

The 140DVO85300C, part of Schneider Electric's Modicon Quantum series, is a discrete output module featuring 32 individual output channels. This module operates using negative logic and requires 2 output words along with 2 input words for addressing.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Discrete Output Module
Product	Line Modicon Quantum
Part	Number 140DVO85300C
EAN	3595860032218
Output	Channels 32
Output	Type Negative logic (sink)
Addressing	Requirement 2 output words, 2 input words
Output	Voltage 10 to 30 VDC
Short-Circuit	Protection Yes
Surge	Current 2.5 A
Overvoltage	Protection Yes
Marking	CE
Format	Standard
Bus	Current Requirement 500 mA
Ambient	Temperature 0 to 60 °C
Standards	UL 508, CSA
Protective	Treatment Conformal coating

3. Product Information

The 140DVO85300C, part of Schneider Electric's Modicon Quantum series, is a discrete output module featuring 32 individual output channels. This module operates using negative logic and requires 2 output words along with 2 input words for addressing.

Technical specifications for 140DVO85300C

Manufacturer Schneider Electric

Product Type Discrete Output Module

Product Line Modicon Quantum

Part Number 140DVO85300C

EAN 3595860032218

Output Channels 32

Output Type Negative logic (sink)

Addressing Requirement 2 output words, 2 input words

Output Voltage 10 to 30 VDC

Short-Circuit Protection Yes

Surge Current 2.5 A

Overvoltage Protection Yes

Marking CE

Format Standard

Bus Current Requirement 500 mA

Ambient Temperature 0 to 60 °C

Standards UL 508, CSA

Protective Treatment Conformal coating

Description

The 140DVO85300C from Schneider Electric is designated as a discrete output module within the Modicon Quantum series. This component provides 32 output channels that utilize negative logic (sink) for effective control in automation tasks. For addressing purposes, this module necessitates 2 output words along with 2 input words, facilitating communication within the control system.

It is capable of operating with an output voltage range of 10 to 30 VDC, responding effectively under various operational conditions. Enhanced functionality is incorporated with integrated short-circuit protection, preventing potential damage during abnormal situations. Additionally, overvoltage protection is also featured, augments the module's durability and reliability. The module supports surge currents of up to 2.5 A, further ensuring performance stability.

With a standard format, the module has a compact weight of 0.3 kg, making it easy to incorporate into existing setups. It requires a bus current of 500 mA to function properly. The module remains functional in ambient temperatures varying from 0 °C to 60 °C, thus adapting to diverse environmental settings.

Compliance with UL 508 and CSA standards affirms its quality and reliability in industrial applications. The module is marked with CE, ensuring it meets European safety standards. Moreover, it includes conformal coating as a protective treatment to guard against moisture and dust intrusion, reinforcing its longevity in various operational environments.