

Schneider  Series Service Manual

140ERT85420

1. Description

The Schneider Electric 140ERT85420 is a multifunction input module designed for versatility in industrial applications. It features 32 inputs and 40 terminals, making it suitable for diverse connectivity needs.

2. Specifications

| Specification | Value                                                                                                                                                                                                                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer  | Schneider Electric                                                                                                                                                                                                                                                                                           |
| Product       | Line Modicon Quantum                                                                                                                                                                                                                                                                                         |
| Part          | Number 140ERT85420                                                                                                                                                                                                                                                                                           |
| EAN           | 3595864146225                                                                                                                                                                                                                                                                                                |
| Product       | Multifunction input module                                                                                                                                                                                                                                                                                   |
| Number        | of Terminals 40 terminals                                                                                                                                                                                                                                                                                    |
| Number        | of Inputs 32 inputs                                                                                                                                                                                                                                                                                          |
| Maximum       | Power Consumption 7.5 W                                                                                                                                                                                                                                                                                      |
| Insulation    | Optocoupler insulation                                                                                                                                                                                                                                                                                       |
| Operating     | Temperature 0 to 40 degrees Celsius                                                                                                                                                                                                                                                                          |
| Storage       | Temperature 0 to 50 degrees Celsius                                                                                                                                                                                                                                                                          |
| Maximum       | Operating Humidity 80% RH without condensation                                                                                                                                                                                                                                                               |
| Maximum       | Storage Humidity 80% RH without condensation                                                                                                                                                                                                                                                                 |
| Environment   | Clean indoor environment with no corrosive chemicals                                                                                                                                                                                                                                                         |
| Maximum       | Operating Altitude 1000 meters above sea level without derating                                                                                                                                                                                                                                              |
| Maximum       | Storage Altitude 1000 meters above sea level                                                                                                                                                                                                                                                                 |
| Screw         | Terminal Block Supported                                                                                                                                                                                                                                                                                     |
| Description   |                                                                                                                                                                                                                                                                                                              |
| The           | 140ERT85420 multifunction input module from Schneider Electric's Modicon Quantum line is engineered for extensive application in industrial environments. It is equipped with 32 inputs and 40 terminals, accommodating various input sources. Its maximum power consumption is rated at 7.5 watts, ensuring |

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Technical specifications for 140ERT85420

Manufacturer Schneider Electric

Product Line Modicon Quantum

Part Number 140ERT85420

EAN 3595864146225

Product Multifunction input module

Number of Terminals 40 terminals

Number of Inputs 32 inputs

Maximum Power Consumption 7.5 W

Insulation Optocoupler insulation

Operating Temperature 0 to 40 degrees Celsius

Storage Temperature 0 to 50 degrees Celsius

Maximum Operating Humidity 80% RH without condensation

Maximum Storage Humidity 80% RH without condensation

Environment Clean indoor environment with no corrosive chemicals

Maximum Operating Altitude 1000 meters above sea level without derating

Maximum Storage Altitude 1000 meters above sea level

Screw Terminal Block Supported

Description

The 140ERT85420 multifunction input module from Schneider Electric's Modicon Quantum line is engineered for extensive application in industrial environments. It is equipped with 32 inputs and 40 terminals, accommodating various input sources. Its maximum power consumption is rated at 7.5 watts, ensuring efficient operational capabilities.

The insulation structure utilizes optocouplers, enhancing protection between circuitry. The device is designed to operate within a temperature range from 0 degrees Celsius to 40 degrees Celsius, providing flexibility in different operational settings. Additionally, it can be stored at temperatures reaching up to 50 degrees Celsius, making it resilient in diverse climatic conditions.

Humidity conditions are also well-managed, as the module operates effectively in environments with a maximum relative humidity of 80%, and this extends to storage conditions as well. However, it is important to maintain a clean indoor condition while avoiding exposure to corrosive substances.

The module supports installations at altitudes of up to 1000 meters above sea level, without experiencing performance degradation. The design includes a screw terminal block, allowing for straightforward connections. Overall, the 140ERT85420 module combines robust features with flexibility for various input applications.