

# Schneider Series Service Manual

## 140XCA71706

### 1. Description

The 140XCA71706 backplane expander cable from Schneider Electric is designed for use in Modicon Quantum systems. This 2-meter cable features connectors positioned at both ends, utilizing PROFIBUS connector types.

### 2. Specifications

| Specification  | Value                                          |
|----------------|------------------------------------------------|
| Manufacturer   | Schneider Electric                             |
| Product        | Line Modicon Quantum                           |
| Part           | Number 140XCA71706                             |
| Weight         | 1.00 lbs (0.45 kg)                             |
| Product        | Backplane Expander Cable                       |
| Cable          | Length 2 m                                     |
| Connectors     | Position At Both Ends                          |
| Connector      | Types PROFIBUS                                 |
| Material       | PVC                                            |
| Maximum        | Ambient Temperature 60 degrees Celsius         |
| Minimum        | Ambient Temperature 0 degrees Celsius          |
| Operating      | Humidity Up to 80% (non-condensing)            |
| Storage        | Humidity Up to 80% (non-condensing)            |
| Maximum        | Operating Altitude 1000 meters above sea level |
| Protection     | Class IP20                                     |
| Certifications | CE                                             |

### 3. Product Information

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Technical specifications for 140XCA71706

Manufacturer Schneider Electric

Product Line Modicon Quantum

Part Number 140XCA71706

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Product Backplane Expander Cable

Cable Length 2 m

Connectors Position At Both Ends

Connector Types PROFIBUS

Material PVC

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Operating Humidity Up to 80% (non-condensing)

Storage Humidity Up to 80% (non-condensing)

Maximum Operating Altitude 1000 meters above sea level

Protection Class IP20

Certifications CE

Description

The 140XCA71706 model is a backplane expander cable within Schneider Electric's Modicon Quantum line. This cable is intended for enhancing the connectivity of field devices, ensuring seamless communication. At a length of 2 meters, it provides sufficient reach for various configurations.

PROFIBUS connectors, located at both ends of the cable, are used for reliable connections within automation systems. Constructed from durable PVC, this cable withstands regular industrial use while maintaining performance integrity. The operating temperature range is specified between 0 degrees Celsius and 60 degrees Celsius, making it appropriate for standard environmental conditions.

Humidity tolerance reaches 80% in non-condensing conditions for both its operating and storage environments. Because of this, the cable is fit for deployment both in active setups and while stored. Additionally, it can function at altitudes of up to 1000 meters above sea level without affecting its performance. The cable is graded with an IP20 protection class, indicating adequate shielding against dust and mechanical impacts. Furthermore, it holds CE certification, affirming compliance with safety and environmental standards.