Before Using the Product

Please read this document before use. Keep the document in a safe place for future reference. Make sure that the end users read the document.

Introduction to the Product

The RJ51AW12AL has been jointly developed and manufactured by Mitsubishi and Anywire Corporation. Note that there are differences in warranty.

Warranty

The RJ51AW12AL has been jointly developed and manufactured by Mitsubishi and Anywire Corporation.

Relevant manuals

Before using the product, please read the Safety Guidelines included with the base unit used, especially the following sections.

1. SAFETY PRECAUTIONS
2. CONDITIONS OF USE FOR THE PRODUCT
3. EMC AND LOW VOLTAGE DIRECTIVES

The warranty details are described in the following manual.

Before using the product, please read the Safety Guidelines included with the base unit used, especially the following sections.

1. SAFETY PRECAUTIONS
2. CONDITIONS OF USE FOR THE PRODUCT
3. EMC AND LOW VOLTAGE DIRECTIVES

The warranty details are described in the following manual.

Precautions regarding warranty and specifications

Terminale block

Transmission cable terminal block

Signal layout

Transmission cable terminal block

Routing of signals

Plaque à bornes pour câbles de transmission

**Wiring products**

- **Transmission cable terminal block**
  - When wiring, use applicable wires and an appropriate tightening torque.

**Model name**

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<th>Item</th>
<th>Name</th>
<th>Tightening torque</th>
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**Transmission cable (DP, DN)**

- UL-listed general-purpose 2-wire cable (VCTF, VCT)
  - 1.25mm strand
  - 0.75mm strand

- UL-listed general-purpose wire
  - 1.25mm strand
  - 0.75mm strand

- Dedicated flat cable
  - 1.25mm strand
  - 0.75mm strand

**Power cable (24V, 0V)**

- UL-listed general-purpose 2-wire cable (VCTF, VCT)
  - 0.75mm strand to 0.9mm strand
  - Stranded
  - 70°C or more

- UL-listed general-purpose wire
  - 0.75mm strand to 2.0mm strand
  - Stranded solid
  - 90°C

**Products for câblage**

- **Plaque à bornes pour câbles de transmission**
  - Pour le câblage, utilisez les fils et couples de serrage prescrits.

**Recommandations**

- **Wiring products**
  - **Transmission cable terminal block**
    - When wiring, use applicable wires and an appropriate tightening torque.

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  - Stranded solid
  - 90°C

**Mounting modules**

- When installing the programmable controller in a control panel, fully consider its operability, maintainability, and environmental resistance.

- Securely mount all the MELSEC iQ-R series modules used on the base unit. For details on the mounting method, refer to the MELSEC iQ-R Module Configuration Manual.

**Montage des modules**

- Pour installer l'automate programmable dans un tableau de commande, prendre en compte tous les aspects d'opérabilité, de maintenabilité et de résistance à l'environnement.

- Monter fermement sur l'unité de base tous les modules de la série MELSEC iQ-R à utiliser. Pour le détail de la méthode de montage, voir le MELSEC iQ-R Module Configuration Manual (Manuel de configuration du module MELSEC iQ-R).

**Operating ambient temperature**

- Use the product within the following range:
  - 0°C to 55°C (when an extended temperature range base unit is not used)
  - 0°C to 60°C (when an extended temperature range base unit is used)

**Température ambiante de fonctionnement**

- Ce produit doit être utilisé dans les conditions suivantes:
  - 0°C to 55°C (lorsqu'un module de base à gamme de température élargie n'est pas utilisé)
  - 0°C to 60°C (lorsqu'une unité de base à gamme de température élargie est utilisée)

**Information and services**

- For further information and services, please consult your local Mitsubishi representative.

**Contact of the co-branded product**

- Anywire Corporation
  - www.anywire.jp