

Before Using the Product

Before using the product, please read this manual. Make sure that the end users read this manual and then keep the manual in a safe place for future reference.

■ Relevant manuals

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

- SAFETY PRECAUTIONS
- CONDITIONS OF USE FOR THE PRODUCT
- EMC AND LOW VOLTAGE DIRECTIVES
- WARRANTY

The product details are described in the following manual.

Description	Manual name [manual number]
Common information on MELSEC iQ-R series programmable controllers*1	MELSEC iQ-R Module Configuration Manual [SH-081262ENG]
Detailed information on the product	MELSEC iQ-R PROFIBUS-DP Module User's Manual (Startup) [SH-081855ENG] MELSEC iQ-R PROFIBUS-DP Module User's Manual (Application) [SH-081857ENG]

*1 The information includes the system configuration, specifications, installation, wiring, maintenance, and inspection.

Please develop familiarity with the functions and performance of the product to handle the product correctly.

■ Manuels correspondants

Avant d'utiliser ce produit, prière de lire les "Safety Guidelines" (directive de sécurité) fournies avec l'unité de base, en particulier dans les sections suivantes.

- PRÉCAUTIONS DE SÉCURITÉ
- CONDITIONS D'UTILISATION DE PRODUIT
- DIRECTIVES CEM ET BASSE TENSION
- GARANTIE

■ Packing list

Check that the following items are included in the package of the product.

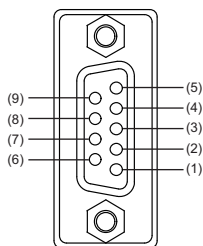
Item	Quantity
Module	1
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■ Information and services

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

■ Signal layout

PROFIBUS interface connector



No.	Signal code	Name	Application	Cable color
(1)	—	SHIELD*1	Shield, protective ground	—
(2)	—	M24V*1	Open	—
(3)	B/B'	RxD/TxD-P	Received/transmitted data-P	Red
(4)	—	CNTR-P*1	Open	—
(5)	C/C'	DGND*2	Data ground	—
(6)	—	VP*2	Voltage +	—
(7)	—	P24V*1	Open	—
(8)	A/A'	RxD/TxD-N	Received/transmitted data-N	Green
(9)	—	CNTR-N*1	Open	—

*1 Optional signal

*2 Signal used to connect the terminating resistor

■ Wiring product

The table below shows the applicable connector shell connected to a PROFIBUS interface connector. Connect the applicable wire shown below to the connector shell within the applicable tightening torque range.

Connector shell		Wire			
Model	Tightening torque	Diameter	Type	Material	Temperature rating
—*1	0.20 to 0.28N·m	22 AWG	Stranded	Copper	60°C or more

*1 Use a D-sub 9-pin male connector for the PROFIBUS cable. Use a plastic connector. The applicable screw size is #4-40 UNC.

The PROFIBUS devices (such as PROFIBUS cables and connectors) must be purchased or obtained by user.

For details on PROFIBUS devices, access the following website.

- PI: www.profibus.com

■ 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 to 55°C (when an extended temperature range base unit is not used)
- 0 to 60°C (when an extended temperature range base unit is used)

■ Température ambiante de fonctionnement

Utilisez le produit dans la plage suivante.

- 0 à 55°C (quand une unité de base à gamme de température élargie n'est pas utilisée)
- 0 à 60°C (quand une unité de base à gamme de température élargie est utilisée)