

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.

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

- MELSEC iQ-R Channel Isolated Analog-Digital Converter Module User's Manual (Startup) SH-081485ENG
- MELSEC iQ-R Channel Isolated Analog-Digital Converter Module User's Manual (Application) SH-081487ENG

■ 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
Before Using the Product (this manual)	1

■ Signal layout of connector for external devices

■ Attribution des signaux de connecteur de dispositifs externes

◆ R60AD8-G

A1	0 0	B1
A2	0 0	B2
A3	0 0	B3
A4	0 0	B4
A5	0 0	B5
A6	0 0	B6
A7	0 0	B7
A8	0 0	B8
A9	0 0	B9
A10	0 0	B10
A11	0 0	B11
A12	0 0	B12
A13	0 0	B13
A14	0 0	B14
A15	0 0	B15
A16	0 0	B16
A17	0 0	B17
A18	0 0	B18
A19	0 0	B19
A20	0 0	B20

Viewed from the front of the module

Pin No.	Signal name	Pin No.	Signal name
A1	CH1 V+	B1	CH1 V-/I-
A2	CH1 I+	B2	—
A3	—	B3	CH2 V+
A4	CH2 V-/I-	B4	CH2 I+
A5	—	B5	—
A6	CH3 V+	B6	CH3 V-/I-
A7	CH3 I+	B7	—
A8	—	B8	CH4 V+
A9	CH4 V-/I-	B9	CH4 I+
A10	—	B10	—
A11	CH5 V+	B11	CH5 V-/I-
A12	CH5 I+	B12	—
A13	—	B13	CH6 V+
A14	CH6 V-/I-	B14	CH6 I+
A15	—	B15	—
A16	CH7 V+	B16	CH7 V-/I-
A17	CH7 I+	B17	—
A18	—	B18	CH8 V+
A19	CH8 V-/I-	B19	CH8 I+
A20	—	B20	—

◆ R60AD16-G

2A1	0 0	2B1	1A1	0 0	1B1
2A2	0 0	2B2	1A2	0 0	1B2
2A3	0 0	2B3	1A3	0 0	1B3
2A4	0 0	2B4	1A4	0 0	1B4
2A5	0 0	2B5	1A5	0 0	1B5
2A6	0 0	2B6	1A6	0 0	1B6
2A7	0 0	2B7	1A7	0 0	1B7
2A8	0 0	2B8	1A8	0 0	1B8
2A9	0 0	2B9	1A9	0 0	1B9
2A10	0 0	2B10	1A10	0 0	1B10
2A11	0 0	2B11	1A11	0 0	1B11
2A12	0 0	2B12	1A12	0 0	1B12
2A13	0 0	2B13	1A13	0 0	1B13
2A14	0 0	2B14	1A14	0 0	1B14
2A15	0 0	2B15	1A15	0 0	1B15
2A16	0 0	2B16	1A16	0 0	1B16
2A17	0 0	2B17	1A17	0 0	1B17
2A18	0 0	2B18	1A18	0 0	1B18
2A19	0 0	2B19	1A19	0 0	1B19
2A20	0 0	2B20	1A20	0 0	1B20

2A1 to 2B20 1A1 to 1B20

Viewed from the front of the module

Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
2A1	CH9 V+	2B1	CH9 V-/I-	1A1	CH1 V+	1B1	CH1 V-/I-
2A2	CH9 I+	2B2	—	1A2	CH1 I+	1B2	—
2A3	—	2B3	CH10 V+	1A3	—	1B3	CH2 V+
2A4	CH10 V-/I-	2B4	CH10 I+	1A4	CH2 V-/I-	1B4	CH2 I+
2A5	—	2B5	—	1A5	—	1B5	—
2A6	CH11 V+	2B6	CH11 V-/I-	1A6	CH3 V+	1B6	CH3 V-/I-
2A7	CH11 I+	2B7	—	1A7	CH3 I+	1B7	—
2A8	—	2B8	CH12 V+	1A8	—	1B8	CH4 V+
2A9	CH12 V-/I-	2B9	CH12 I+	1A9	CH4 V-/I-	1B9	CH4 I+
2A10	—	2B10	—	1A10	—	1B10	—
2A11	CH13 V+	2B11	CH13 V-/I-	1A11	CH5 V+	1B11	CH5 V-/I-
2A12	CH13 I+	2B12	—	1A12	CH5 I+	1B12	—
2A13	—	2B13	CH14 V+	1A13	—	1B13	CH6 V+
2A14	CH14 V-/I-	2B14	CH14 I+	1A14	CH6 V-/I-	1B14	CH6 I+
2A15	—	2B15	—	1A15	—	1B15	—
2A16	CH15 V+	2B16	CH15 V-/I-	1A16	CH7 V+	1B16	CH7 V-/I-
2A17	CH15 I+	2B17	—	1A17	CH7 I+	1B17	—
2A18	—	2B18	CH16 V+	1A18	—	1B18	CH8 V+
2A19	CH16 V-/I-	2B19	CH16 I+	1A19	CH8 V-/I-	1B19	CH8 I+
2A20	—	2B20	—	1A20	—	1B20	—

English	French
Viewed from the front of the module	<i>Vue de l'avant du module</i>
Pin No.	<i>Broche N°</i>
Signal name	<i>Nom de signal</i>

■ Wiring products

■ Produits pour câblage

The table below shows applicable 40-pin connectors. When wiring, use applicable wires and an appropriate tightening torque.

Mitsubishi 40-pin connector		Wire			
Model	Tightening torque	Diameter	Type	Material	Temperature rating
A6CON1*1	0.20 to 0.29N·m	28 to 22 AWG	Stranded	Copper	75°C or more
A6CON2		28 to 24 AWG			
A6CON4*1		28 to 22 AWG			

*1 Use cables with outside diameter of 1.3mm or shorter to connect 40 cables to the connector. In addition, consider the amount of current to be used and select appropriate cables.

Le tableau ci-dessous indique quels connecteurs 40 broches sont à utiliser. Pour le câblage, utiliser les fils et couples de serrage prescrits.

Connecteur 40-broches Mitsubishi		Fil			
Modèle	Couple de serrage	Diamètre	Type	Matériau	Gamme de température
A6CON1*1	0,20 à 0,29N·m	28 à 22 AWG	Torsadé	Cuivre	75°C ou plus
A6CON2		28 à 24 AWG			
A6CON4*1		28 à 22 AWG			

*1 Le diamètre extérieur des câbles utilisés pour les 40 raccordements au connecteur ne doit pas excéder 1,3 mm. Le choix d'une taille de conducteur dépendra de l'intensité de courant à prendre en considération.

■ Operating ambient temperature

Use the product within the range of 0 to 55°C.

■ Température ambiante de fonctionnement

Ce produit doit être utilisé entre 0 et 55°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).

■ Information and services

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