

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.

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

Details of the product are also described in the manual shown below (sold separately). Please read the manual and understand the functions and performance of the product to use it correctly.

- 4Mpps Capable High-Speed Counter Module User's Manual
SH-080726ENG (13JZ07)

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.

Item	Quantity
Module	1
"Before Using the Product" (this document)	1

Signal layout

Répartition des signaux

- ◆ 40-pin connector

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

CH1		CH2	
Terminal No.	Signal name	Terminal No.	Signal name
B20	NC	A20	NC
B19	Phase A pulse input +(PULSE A+)	A19	Phase A pulse input +(PULSE A+)
B18	Phase A pulse input -(PULSE A-)	A18	Phase A pulse input -(PULSE A-)
B17	Phase B pulse input +(PULSE B+)	A17	Phase B pulse input +(PULSE B+)
B16	Phase B pulse input -(PULSE B-)	A16	Phase B pulse input -(PULSE B-)
B15	Pulse input common(PULSE COM)	A15	Pulse input common(PULSE COM)
B14	NC	A14	NC
B13	Preset input common(PRST COM)	A13	Preset input common(PRST COM)
B12	Preset input 24V(PRST)	A12	Preset input 24V(PRST)
B11	NC	A11	NC
B10	NC	A10	NC
B9	Latch counter input common(LATCH COM)	A9	Latch counter input common(LATCH COM)
B8	Latch counter input 24V(LATCH)	A8	Latch counter input 24V(LATCH)
B7	NC	A7	NC
B6	NC	A6	NC
B5	Coincidence output No.1(EQU1)	A5	Coincidence output No.1(EQU1)
B4	Coincidence output No.2(EQU2)	A4	Coincidence output No.2(EQU2)
B3	External coincidence output power supply 12/24V(12V/24V)	A3	External coincidence output power supply 12/24V(12V/24V)
B2	External coincidence output power supply GND(0V)(0V)	A2	External coincidence output power supply GND(0V)(0V)
B1	NC	A1	NC

English	French	English	French
Signal name	Nom de signal	Coincidence output No.*	Sortie coïncidente n° *
Terminal No.	Borne N°	External coincidence output power supply	Alimentation de sortie de coïncidence externe
40-pin connector	Connecteur 40 broches	Latch counter input common	Entrée compteur de verrouillage Commun
Phase * pulse input	Entrée impulsions phase *	Preset input common	Entrée prédéterminée Commun
Preset input	Entrée prédéterminée	Pulse input common	Entrée d'impulsions Commun
Latch counter input	Entrée compteur de verrouillage		

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	0.20 to 0.29N·m	22AWG	Stranded	Copper	75°C or more
A6CON2		28 to 24AWG			
A6CON4		22AWG			

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	0,20 à 0,29N·m	22AWG	Torsadé	Cuivre	75°C ou plus
A6CON2		28 à 24AWG			
A6CON4		22AWG			

Installation of the unit

Consider ease of operation, maintainability, and resistance to adverse environmental conditions when installing the product in a control panel, etc.

Securely install all units in the MELSEC-Q series on the base unit.

Also refer to the QCPU User's Manual (Hardware Design, Maintenance and Inspection) for details of installation.

Installation de l'unité

Prendre en considération la commodité d'exploitation et de maintenance, ainsi que la bonne résistance aux facteurs environnementaux adverses lors de l'installation en tableau de commande, etc.

Installer fermement toutes les unités de la série MELSEC-Q sur l'unité de base.

Pour le détail de l'installation, voir aussi le "QCPU User's Manual (Hardware Design, Maintenance and Inspection)" (le Manuel de l'utilisateur QCPU (conception du matériel, maintenance et inspection)).

Operating ambient temperature

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

Température ambiante de fonctionnement

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

Information and services

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