BCN-P5820-D(1610)MEE

QD70D4 **QD70D8**

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.

- Positioning Module Type QD70D User's Manual SH-080551ENG (13JR80)

■ *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

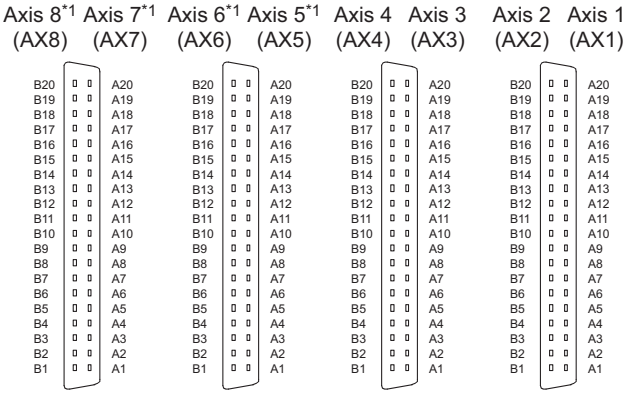
Check that the following items are included in the package.

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

■ Signal layout

■ *Répartition des signaux*

◆ 40-pin connector



Viewed from the front of the module

Pin number	Signal name*2	Pin number	Signal name*3
A20	Pulse output R common (PULSE R□ COM)	B20	Pulse output R common (PULSE R□ COM)
A19	Pulse output F common (PULSE F□ COM)	B19	Pulse output F common (PULSE F□ COM)
A18	Pulse output R- (PULSE R□-)	B18	Pulse output R- (PULSE R□-)
A17	Pulse output R+ (PULSE R□+)	B17	Pulse output R+ (PULSE R□+)
A16	Pulse output F- (PULSE F□-)	B16	Pulse output F- (PULSE F□-)
A15	Pulse output F+ (PULSE F□+)	B15	Pulse output F+ (PULSE F□+)
A14	Deviation counter clear common (CLEAR□ COM)	B14	Deviation counter clear common (CLEAR□ COM)
A13	Deviation counter clear (CLEAR□)	B13	Deviation counter clear (CLEAR□)
A12	NC	B12	NC
A11	NC	B11	NC
A10	Zero signal common (PG0□ COM)	B10	Zero signal common (PG0□ COM)
A9	Zero signal (PG0□)	B9	Zero signal (PG0□)
A8	NC	B8	NC
A7	Axes 1 to 4: Common (COM 1 to 4) Axes 5 to 8: Common (COM 5 to 8)	B7	Axes 1 to 4: Common (COM 1 to 4) Axes 5 to 8: Common (COM 5 to 8)
A6	Axes 1 to 4: Common (COM 1 to 4) Axes 5 to 8: Common (COM 5 to 8)	B6	Axes 1 to 4: Common (COM 1 to 4) Axes 5 to 8: Common (COM 5 to 8)
A5	Speed-position switching signal/Retry switch signal (CHG□/RTRY□)	B5	Speed-position switching signal/Retry switch signal (CHG□/RTRY□)
A4	NC	B4	NC
A3	Near-point dog signal (DOG□)	B3	Near-point dog signal (DOG□)
A2	Speed-position switching signal/Retry switch signal (CHG□/RTRY□)	B2	Speed-position switching signal/Retry switch signal (CHG□/RTRY□)
A1	NC	B1	NC

English	*French*	English	*French*
Signal name	*Nom de signal*	Deviation counter clear	*Annulation compteur déviation*
Pin number	*Broche N°*	Zero signal common	*Signal zéro Commun*
Terminal number	*Borne N°*	Zero signal	*Signal zéro*
Viewed from the front of the module	*Vue de l'avant du module*	Common	*Commun*
40-pin connector	*Connecteur 40 broches*	Near-point dog signal	*Signal du capteur de proximité*
Axis	*Axe*	Speed-position switching signal	*Signal de commutation vitesse-position*
Pulse output *	*Sortie d'impulsions **	Axes * to *	*Axes * à **
Pulse output * common	*Sortie d'imoulsions Commun **	COM * to *	*COM * à **
Deviation counter clear common	*Annulation compteur déviation Commun*	Retry switch signal	*Signal de commutation des essais*

*1 These axes are not available for the QD70D4.
*2 Axis 1, Axis 3, Axis 5, or Axis 7 applies to □ in the signal names.
*3 Axis 2, Axis 4, Axis 6, or Axis 8 applies to □ in the signal names.
**1 Ces axes ne sont pas disponibles sur le QD70D4.*
**2 □ dans le nom du signal renvoie à axe 1, axe 3, axe 5 ou axe 7.*
**3 □ dans le nom du signal renvoie à axe 2, axe 4, axe 6 ou axe 8.*

■ Wiring products

■ *Produits pour câblage*

The table below shows applicable 40-pin connectors and differential driver common terminal. 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-dessou indique quels connecteurs 40 broches sont à utiliser avec quelle borne commune de circuit d'attaque différentiel. 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 the "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.