BCN-P5827-D(1610)MEE

QD72P3C3

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.

- QD72P3C3 Type Positioning Module with Built-in Counter Function User's Manual SH-080683ENG (13JR99)

■ *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

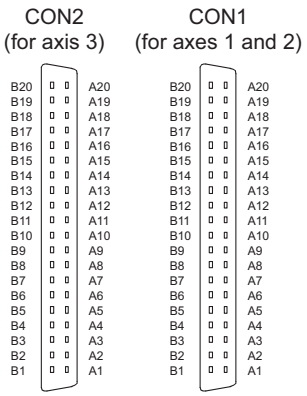
Check that the following items are included in the package.

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

■ Signal layout

■ *Répartition des signaux*

◆ 40-pin connector



CON 2 (for axis 3)				CON 1 (for axes 1 and 2)			
Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
B20	NC	A20	Phase A pulse input 24V (CH3A_24V)	B20	Phase A pulse input 24V (CH2A_24V)	A20	Phase A pulse input 24V (CH1A_24V)
B19	NC	A19	Phase A pulse input 5V (CH3A_5V)	B19	Phase A pulse input 5V (CH2A_5V)	A19	Phase A pulse input 5V (CH1A_5V)
B18	NC	A18	Phase A common (CH3A COM)*1	B18	Phase A common (CH2A COM)*1	A18	Phase A common (CH1A COM)*1
B17	NC	A17	Phase B pulse input 24V (CH3B_24V)	B17	Phase B pulse input 24V (CH2B_24V)	A17	Phase B pulse input 24V (CH1B_24V)
B16	NC	A16	Phase B pulse input 5V (CH3B_5V)	B16	Phase B pulse input 5V (CH2B_5V)	A16	Phase B pulse input 5V (CH1B_5V)
B15	NC	A15	Phase B common (CH3B COM)*2	B15	Phase B common (CH2B COM)*2	A15	Phase B common (CH1B COM)*2
B14	NC	A14	Zero signal (PG03)	B14	Zero signal (PG02)	A14	Zero signal (PG01)
B13	NC	A13	Zero signal common (PG03 COM)*3	B13	Zero signal common (PG02 COM)*3	A13	Zero signal common (PG01 COM)*3
B12	NC	A12	Deviation counter clear (CLEAR3)	B12	Deviation counter clear (CLEAR2)	A12	Deviation counter clear (CLEAR1)
B11	NC	A11	Deviation counter clear common (CLEAR3 COM)*4	B11	Deviation counter clear common (CLEAR2 COM)*4	A11	Deviation counter clear common (CLEAR1 COM)*4
B10	NC	A10	Near-point dog signal (DOG3)	B10	Near-point dog signal (DOG2)	A10	Near-point dog signal (DOG1)
B9	NC	A9	Common (COM1-3)*5	B9	Common (COM1-3)*5	A9	Common (COM1-3)*5
B8	NC	A8	Upper limit signal (FLS3)	B8	Upper limit signal (FLS2)	A8	Upper limit signal (FLS1)
B7	NC	A7	Common (COM1-3)*5	B7	Common (COM1-3)*5	A7	Common (COM1-3)*5
B6	NC	A6	Lower limit signal (RLS3)	B6	Lower limit signal (RLS2)	A6	Lower limit signal (RLS1)
B5	NC	A5	Common (COM1-3)*5	B5	Common (COM1-3)*5	A5	Common (COM1-3)*5
B4	NC	A4	Pulse output F (PULSE F3)	B4	Pulse output F (PULSE F2)	A4	Pulse output F (PULSE F1)
B3	NC	A3	Pulse output common (PULSE COM1-3)*6	B3	Pulse output common (PULSE COM1-3)*6	A3	Pulse output common (PULSE COM1-3)*6
B2	NC	A2	Pulse output R (PULSE R3)	B2	Pulse output R (PULSE R2)	A2	Pulse output R (PULSE R1)
B1	NC	A1	Pulse output common (PULSE COM1-3)*6	B1	Pulse output common (PULSE COM1-3)*6	A1	Pulse output common (PULSE COM1-3)*6

English	*French*	English	*French*
Signal name	*Nom de signal*	Zero signal	*Signal zéro*
Pin No.	*Broche N°*	Common	*Commun*
40-pin connector	*Connecteur 40 broches*	Lower limit signal	*Signal de limite basse*
Phase * pulse input	*Entrée impusions phase **	Upper limit signal	*Signal de limite haute*
Pulse output *	*Sortie d'impulsions **	Near-point dog signal	*Signal du capteur de proximité*
Deviation counter clear common	*Annulation compteur déviation Commun*	Pulse output common	*Sortie des impulsions Commun*
Deviation counter clear	*Annulation compteur déviation*	for axes * and *	*pour axes * et **
Zero signal common	*Signal zéro Commun*	Phase * common	*Phase * Commun*

*1 Common for CH□A_5V, CH□A_24V (□ indicates any of channel numbers 1 to 3.)
*2 Common for CH□B_5V, CH□B_24V (□ indicates any of channel numbers 1 to 3.)
*3 Common for PG0□ (□ indicates any of axis numbers 1 to 3.)
*4 Common for CLEAR□ (□ indicates any of axis numbers 1 to 3.)
*5 Common for DOG□, FLS□, RLS□ (□ indicates any of axis numbers 1 to 3.)
*6 Common for PULSE F□, PULSE R□ (□ indicates any of axis numbers 1 to 3.)

**1 Commun pour CH□A_5V, CH□A_24V (□ étant un numéro de canal de 1 à 3.)*
**2 Commun pour CH□B_5V, CH□B_24V (□ étant un numéro de canal de 1 à 3.)*
**3 Commun pour PG0□ (□ étant un numéro d'axe de 1 à 3.)*
**4 Commun pour CLEAR□ (□ étant un numéro d'axe de 1 à 3.)*
**5 Commun pour DOG□, FLS□, RLS□ (□ étant un numéro d'axe de 1 à 3.)*
**6* Commun pour PULSE F□, PULSE R□ (□ étant un numéro d'axe de 1 à 3.)

■ 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 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.