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.

1. Relevant manuals

Before using the product, please read "Safety Guidelines" included with the CPU module or head module, 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-L Flexible High-Speed I/O Control Module User's Manual
SH-081532ENG (13JX37)

1. Manuels correspondants

Avant d'utiliser ce produit, prière de lire les "Safety Guidelines" (directive de sécurité) fournies avec l' le module de CPU ou module de tête, en particulier dans les sections suivantes.
●*PRÉCAUTIONS DE SÉCURITÉ*
●*CONDITIONS D'UTILISATION DE PRODUIT*
●*DIRECTIVES CEM ET BASSE TENSION*
●*GARANTIE*

2. 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

3. Operating ambient temperature

Use the product within the range of 0 to 55℃.

3. Température ambiante de fonctionnement

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

4. Installation of the unit

Consider ease of operation, maintainability, and resistance to adverse environmental conditions when installing the product in a control panel, etc.
All units in the MELSEC-L series must be connected as a system using DIN rail connection. Also refer to the MELSEC-L CPU Module User's Manual (Hardware Design, Maintenance and Inspection) for details of installation.
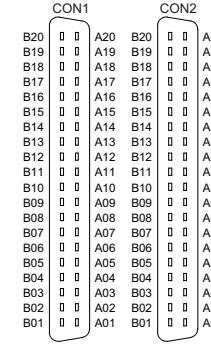
4. Installation de l'unité

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.
Toutes les unités de la série MELSEC-L doivent être connectées en un système de connexion par rails DIN.
Pour le détail de l'installation, voir aussi the "MELSEC-L CPU User's Manual (Hardware Design, Maintenance and Inspection)" (le Manuel de l'utilisateur MELSEC-L CPU (conception du matériel, maintenance et inspection)).

5. Signal layout

5. Répartition des signaux

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      CON1              CON2
B20 □ □ A20      B20 □ □ A20
B19 □ □ A19      B19 □ □ A19
B18 □ □ A18      B18 □ □ A18
B17 □ □ A17      B17 □ □ A17
B16 □ □ A16      B16 □ □ A16
B15 □ □ A15      B15 □ □ A15
B14 □ □ A14      B14 □ □ A14
B13 □ □ A13      B13 □ □ A13
B12 □ □ A12      B12 □ □ A12
B11 □ □ A11      B11 □ □ A11
B10 □ □ A10      B10 □ □ A10
B09 □ □ A09      B09 □ □ A09
B08 □ □ A08      B08 □ □ A08
B07 □ □ A07      B07 □ □ A07
B06 □ □ A06      B06 □ □ A06
B05 □ □ A05      B05 □ □ A05
B04 □ □ A04      B04 □ □ A04
B03 □ □ A03      B03 □ □ A03
B02 □ □ A02      B02 □ □ A02
B01 □ □ A01      B01 □ □ A01
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Viewed from the front of the module

Pin number	CON1 B	A	CON2 B	A
20	NC	NC	NC	NC
19	High-speed input 0 24VDC	High-speed input 0 5VDC	High-speed input 6 24VDC	High-speed input 6 5VDC
18	High-speed input 0 differential	High-speed input 0 common	High-speed input 6 differential	High-speed input 6 common
17	High-speed input 1 24VDC	High-speed input 1 5VDC	High-speed input 7 24VDC	High-speed input 7 5VDC
16	High-speed input 1 differential	High-speed input 1 common	High-speed input 7 differential	High-speed input 7 common
15	High-speed input 2 24VDC	High-speed input 2 5VDC	High-speed input 8 24VDC	High-speed input 8 5VDC
14	High-speed input 2 differential	High-speed input 2 common	High-speed input 8 differential	High-speed input 8 common
13	High-speed input 3 24VDC	High-speed input 3 5VDC	High-speed input 9 24VDC	High-speed input 9 5VDC
12	High-speed input 3 differential	High-speed input 3 common	High-speed input 9 differential	High-speed input 9 common
11	High-speed input 4 24VDC	High-speed input 4 5VDC	High-speed input A 24VDC	High-speed input A 5VDC
10	High-speed input 4 differential	High-speed input 4 common	High-speed input A differential	High-speed input A common
9	High-speed input 5 24VDC	High-speed input 5 5VDC	High-speed input B 24VDC	High-speed input B 5VDC
8	High-speed input 5 differential	High-speed input 5 common	High-speed input B differential	High-speed input B common
7	High-speed output 0	High-speed output 1	High-speed output 4	High-speed output 5
6	High-speed output 2	High-speed output 3	High-speed output 6	High-speed output 7
5	High-speed output 0-3 common	High-speed output common	High-speed output 4-7 common	High-speed output common
4	High-speed output 0 differential +	High-speed output 0 differential -	High-speed output 3 differential +	High-speed output 3 differential -
3	High-speed output 1 differential +	High-speed output 1 differential -	High-speed output 4 differential +	High-speed output 4 differential -
2	High-speed output 2 differential +	High-speed output 2 differential -	High-speed output 5 differential +	High-speed output 5 differential -
1	NC	NC	NC	NC

English	French	English	French
Viewed from the front of the module	*Vue de l'avant du module*	High-speed output *	*Sortie des haut débit**
Pin number	*Broche N°*	High-speed output *-* common	*Sortie des haut débit *-**
High-speed input * 24VDC	*Entrée des haut débit * 24VDC*	High-speed output common	*Sortie des haut débit commun*
High-speed input * 5VDC	*Entrée des haut débit * 5VDC*	High-speed output differential +	*Sortie des haut débit * différentielle +*
High-speed input * differential	*Entrée des haut débit * différentielle*	High-speed output * differential -	*Sortie des haut débit * différentielle -*
High-speed input * common	*Entrée des haut débit * commun*		

6. Wiring products

6. 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	22 AWG	Stranded	Copper	75°C or more	
A6CON2		28 to 24 AWG				
A6CON4		22 AWG				

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*	*22 AWG*	*Torsadé*	*Cuivre*	*75°C ou plus*	
A6CON2		*28 à 24 AWG*				
A6CON4		*22 AWG*				

7. Information and services

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

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