

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 "Safety Guidelines" included with the CPU 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)

Manuels correspondants

Avant d'utiliser ce produit, prière de lire les "Safety Guidelines" (directive de sécurité) fournies avec l' le module de CPU, 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

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.

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 LCPU User's Manual (Hardware Design, Maintenance and Inspection) for details of installation.

Installation de l'unité

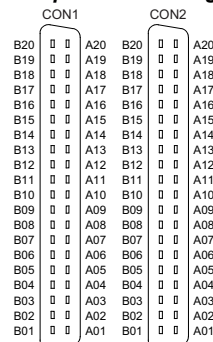
Pour installer l'automate programmable dans un tableau de commande, prendre en compte tous les aspects d'opérabilité, de maintenabilité et de résistance à l'environnement.

Toutes les unités de la série MELSEC-L doivent être connectées en un système de connexion par rails DIN.

Pour le détail de la méthode de montage, voir le "LCPU User's Manual (Hardware Design, Maintenance and Inspection)" (le Manuel de l'utilisateur LCPU (conception du matériel, maintenance et inspection))

Signal layout

Répartition des signaux



Viewed from the front of the module

Pin number	CON1		CON2	
	B	A	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 *-+ commun
High-speed input * 24VDC	Entrée des haut débit * 24VDC	High-speed output common	Sortie 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		

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	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			

Information and services

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