

mitsubishi

New Product Release

Positioning Module QD75MH1, QD75MH2, QD75MH4

SV0506-1E

SSCNETIII Compatible QD75MH1, QD75MH2, QD75MH4 Positioning Module

Introducing the SSCNETIII Compatible Positioning Module for Q-PLC ! Realized the Compact System and Reduced Wiring !

*SSCNET: Servo System Controller NETwork

■ Features

- Between the positioning module and servo amplifier can be connected with the high-speed synchronous network (SSCNETIII) with an optical communication system for higher speed, accuracy, and reliability.
- QD75MH positioning module is connectable to the servo amplifier MELSERVO-J3, which has the industry's highest performance (as of May 2005).
- Upper/lower stroke limits and proximity dog signal can be input to the servo amplifier for considerably reduced wiring.
- Servo parameters and positioning data can be set with the positioning module setting/monitoring tool. (GX Configurator-QP [Version 2.21X and later])



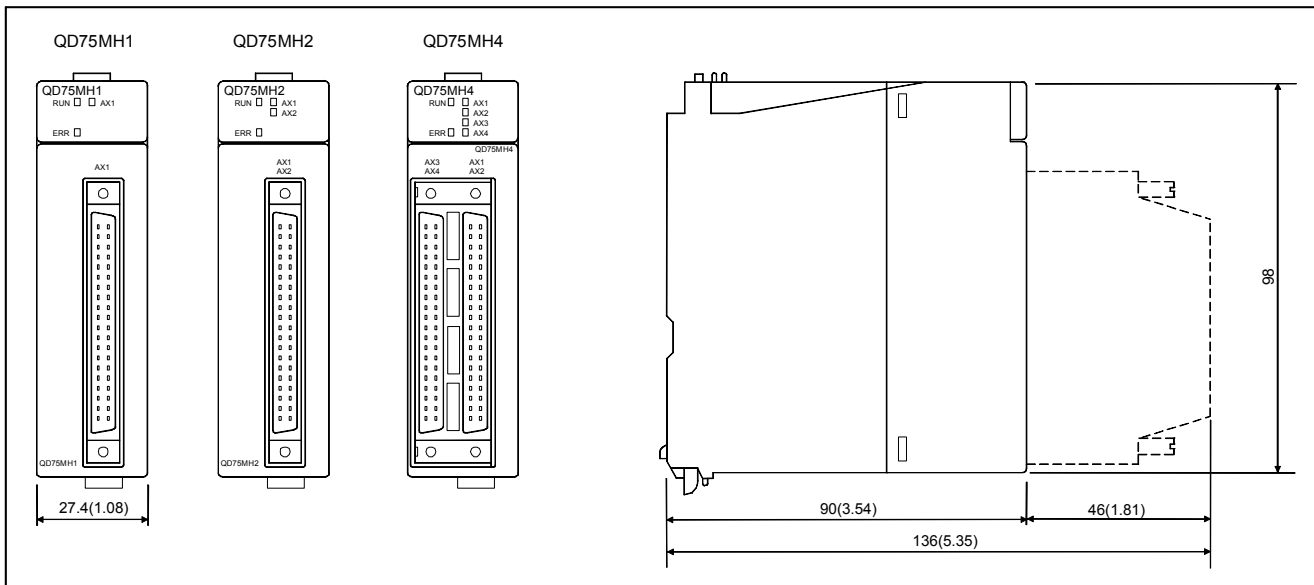
Items	Model	QD75MH1	QD75MH2	QD75MH4
Number of control axes		Up to 1 axis	Up to 2 axes	Up to 4 axes
Number of positioning data		600 data/axis		
Operation cycle		1.77ms (1/2 compared with existing model)		
Connection with servo amplifier		High-speed serial communication system (SSCNETIII)		
Connectable servo amplifier		Mitsubishi General-Purpose AC servo (MR-J3-B)		
Forced stop input		24VDC level, 1 point/module		
External signal I/F		<ul style="list-style-type: none"> ▪ Upper stroke limit ▪ Lower stroke limit ▪ Proximity dog ▪ Stop ▪ Speed/position switching signal, 24VDC level, 5 points/axis 		
Manual pulse generator I/F		A-phase/B-phase, 5VDC level, 1 point/module		

Mitsubishi Electric Corporation Nagoya Works is a factory certified for ISO14001 (standards for environmental management systems) and ISO9001 (standards for quality assurance management systems).



Exterior Dimensions

[Unit : mm(inch)]



New Models and Related Products

Products	Model	Details		
Positioning module	QD75MH1	Control axis : Up to 1 axis		
	QD75MH2	Control axis : Up to 2 axes		
	QD75MH4	Control axis : Up to 4 axes		
Positioning module setting/monitoring tool	SW2D5C-QD75P-E	For QD75P/QD75D/QD75M Positioning module setting/monitoring tool GX Configurator-QP (SW2D5C-QD75P-E (Version. 2.21X and later))		
Applicable connector for external device	A6CON1	Soldering connector		
	A6CON2	Crimp-contact connection connector *Dedicated tool required		
	A6CON3	Flat cable pressure-displacement connector *Dedicated tool required		
	A6CON4	Soldering connector		
SSCNETⅢ cable	MR-J3BUS□M	• QD75MH□ ↔ MR-J3-□B • MR-J3-□B ↔ MR-J3-□B	Standard code for inside panel	0.15m (0.49ft.)
				0.3m (0.98ft.)
				0.5m (1.64ft.)
				1m (3.28ft.)
				3m (9.84ft.)
	MR-J3BUS□M-A		Standard cable for outside panel	5m (16.40ft.)
				10m (32.81ft.)
				20m (65.62ft.)
	MR-J3BUS□M-B		Long distance cable	30m (98.43ft.)
40m (131.23ft.)				
		50m (164.04ft.)		

⚠ For safe use

- To use the products given in this catalog properly, always read the "manuals" before starting to use them.
- These products have been manufactured as a general-purpose part for general industries, and have not been designed or manufactured to be incorporated in a device or system used in purposes related to human life.
- Before using the products for special purposes such as nuclear power, electric power, aerospace, medicine, passenger movement vehicles or under water relays, contact Mitsubishi.
- These products have been manufactured under strict quality control. However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or failsafe functions in the system.
- When exporting any of the products or related technologies described in this catalog, you must obtain an export license if it is subject to Japanese Export Control Law.

Precautions for Choosing the Products

Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; opportunity loss or lost profits caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi; damages to products other than Mitsubishi products; and to other duties.