

Sales and Service

Production Discontinuation of MELSEC-Q Series Motion Controllers, Simple Motion Modules, and Other Products

Thank you for your continued patronage of the Mitsubishi Electric AC servo system. The MELSEC-Q series Motion controllers, Simple Motion modules, and related components have been on the market and widely used for many years. We would like to inform you that these products will be discontinued according to the schedule below.

1. Target Model

Table 1. Models to be discontinued

Product name	Model
MELSEC-Q series Motion controller	Q172DSCPU, Q173DSCPU
MELSEC-Q series stand-alone Motion controller	Q170MSCPU, Q170MSCPU-S1
MELSEC-Q series Simple Motion module	QD77MS2, QD77MS4, QD77MS16
MELSEC-Q series synchronous encoder interface module	Q172DEX
MELSEC-Q series servo external signals interface module	Q172DLX
MELSEC-Q series manual pulse generator interface module	Q173DPX
MELSEC-Q series safety signal module	Q173DSXY
MELSEC-Q series large capacity battery module	Q170MSBATN-SET
MELSEC-Q series battery holder module	Q170DBATC
Forced stop input cable	Q170DEMICBL05M, Q170DEMICBL1M, Q170DEMICBL2M, Q170DEMICBL3M, Q170DEMICBL5M, Q170DEMICBL10M, Q170DEMICBL15M, Q170DEMICBL20M, Q170DEMICBL25M, Q170DEMICBL30M
RIO cable	Q173DSXYCBL01M, Q173DSXYCBL05M
Battery cable	Q170DBATCBL05M
Connector for forced stop input cable	Q170DEMICON
Internal I/F connector set	Q170DSIOCON
Operating system software	SW8DNC-SV13QL, SW8DNC-SV13QJ, SW8DNC-SV13QN, SW8DNC-SV22QL, SW8DNC-SV22QJ, SW8DNC-SV22QN, SW8DNC-SV1322QJLSET

* The production of the special models derived from the models in Table 1 will also be discontinued.

2. Reasons for Discontinuation

We have difficulty in obtaining some components, which is expected to impact the continued production of the products.

3. Production Discontinuation

Transition to made-to-order production: December 31, 2028

Order acceptance: September 30, 2029

Production discontinuation: December 31, 2029.

* The CE marking will be removed from the MELSEC-Q series Q170MSCPU(- S1) because it does not comply with the EU Cyber Resilience Act (CRA). In conjunction with the removal of the CE marking, the UKCA marking will also be removed. The orders placed in or after April 2027 will be supplied without the CE marking and UKCA marking. For details, refer to "Change in Packaging Labels and Rating Plates due to Enforcement of EU Cyber Resilience Act" (No. 26-21E).

* The last shipment will be on December 31, 2029. If the requested delivery date is close to the end of production, contact your local sales office.

Date of issue	September 2026	Title	Production Discontinuation of MELSEC-Q Series Motion Controllers, Simple Motion Modules, and Other Products	Mitsubishi Electric Corp., Nagoya Works 1-14, Yada-minami 5-chome, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
----------------------	----------------	--------------	---	--

4. Repair Acceptance

Repair acceptance: Through December 31, 2036 (for seven years after the production discontinuation)

* Repairs may not be possible once the component inventory is exhausted.

5. Replacement Model

Table 2. Replacement model

Model to be discontinued		Replacement model	
Product name	Model	Product name	Model
MELSEC-Q series Motion controller	Q172DSCPU, Q173DSCPU	MELSEC iQ-R series Motion controller	R16MTCPU, R32MTCPU, R64MTCPU
MELSEC-Q series stand-alone Motion controller	Q170MSCPU, Q170MSCPU-S1	No replacement model (*1)	
MELSEC-Q series Simple Motion module	QD77MS2, QD77MS4, QD77MS16	MELSEC iQ-R series Simple Motion module	RD77MS2, RD77MS4, RD77MS8, RD77MS16
MELSEC-Q series synchronous encoder interface module	Q172DEX	No replacement model (*1) (via MR-J4-B-RJ or via MR-J5-B-RJ)	
MELSEC-Q series servo external signals interface module	Q172DLX	MELSEC iQ-R series input/output module	Input module such as RX41C4
MELSEC-Q series manual pulse generator interface module	Q173DPX	MELSEC iQ-R series high-speed counter module	RD62D2, RD62P2, RD62P2E
MELSEC-Q series safety signal module	Q173DSXY	No replacement model (*1)	
MELSEC-Q series large-capacity battery module	Q170MSBATN-SET	No replacement model (*1)	
MELSEC-Q series battery holder module	Q170DBATC	No replacement model (*1)	
Forced stop input cable	Q170DEMICBL05M, Q170DEMICBL1M, Q170DEMICBL2M, Q170DEMICBL3M, Q170DEMICBL5M, Q170DEMICBL10M, Q170DEMICBL15M, Q170DEMICBL20M, Q170DEMICBL25M, Q170DEMICBL30M	Not required (Uses the Motion controller forced stop (device))	
RIO cable	Q173DSXYCBL01M, Q173DSXYCBL05M	No replacement model (*1)	
Battery cable	Q170DBATCBL05M	No replacement model (*1)	
Connector for forced stop input cable	Q170DEMICON	Not required (Uses the Motion controller forced stop (device))	
Internal I/F connector set	Q170DSIOCON	No replacement model (*1)	
Operating system software	SW8DNC-SV13QL, SW8DNC-SV13QJ, SW8DNC-SV13QN, SW8DNC-SV22QL, SW8DNC-SV22QJ, SW8DNC-SV22QN, SW8DNC-SV1322QJLSET	SW10DNC-RMTFW (*2)	

*1 There are no plans to develop new replacement models.

*2 The RnMTCPU is shipped with the unit operating system software pre-installed. The latest unit operating system software can be downloaded from the MITSUBISHI ELECTRIC FA Global Website.

6. Document for Replacement

Table 3. Document for replacement

Document name	Document No.
Replacement Virtual mode with Advanced synchronous control	L(NA)03123
MELSEC-Q Series to MELSEC iQ-R Series Migration Guide	L(NA)08510ENG

7. Related Technical News

Table 4. Related technical news

Document name	Document No.
Production Discontinuation of MELSEC-Q Series Models	FA-A-0495