

Large type

Model list

Universal conversion adapters (large type)

Check that the electrical specifications of MELSEC-Q series modules satisfy the specifications of devices currently connected.

For input/output modules

1-slot type (Applicable to MELSEC-Q series large type base units (Q□□BL) as well)

Input/Output	MELSEC-Q series module after replacement	Conversion adapter		
		Model	Shape	
	Terminal block (accessory)		MELSEC-Q series	
Input	QX10	ERNT-AQTB20	Terminal block* (38 points)	Terminal block (18 points)
	QX28			
	QX40			
	QX40-S1			
	QX40H			
	QX50			
	QX70			
	QX70H			
	QX80			
	QX80H			
QX90H				
Output	QY10	ERNT-AQTB20	Terminal block* (38 points)	Terminal block (18 points)
	QY18A			
	QY40P			
	QY50			
	QY68A			
	QY70			
	QY80			
I/O combined	QX48Y57			
Output	QY22	ERNT-AQTB20-S1	Terminal block* (38 points)	Terminal block (18 points)
Input	QX41	ERNT-AQTB38	Terminal block (38 points)	FCN connector (40P)
	QX41-S1			
	QX41-S2			
	QX71			
Output	QY41P	ERNT-AQTB38	Terminal block (38 points)	FCN connector (40P)
	QY41H			
	QY71			
Input	QX81	ERNT-AQTB38-E	Terminal block (38 points)	D-Sub connector (37P)
	QX81-S2			
Output	QY81P			

*: The terminal block included with the product is a 38-point terminal block.



The universal conversion adapter (large type) can be used in the following system replacement.

- MELSEC-A series → MELSEC-Q series
- SYSMAC C series (large type) → MELSEC-Q series
- New satellite JW series (large type) → MELSEC-Q series
- MEMOCON-SC GL series (large type) → MELSEC-Q series

Base adapters

The same base adapters used to replace the MELSEC-A series with the MELSEC-Q series are used.

By using a base adapter, the MELSEC-Q series base unit and the conversion adapter support flange can be installed at the same time without drilling any additional installation holes.

Note

- Four additional installation holes (M5 screw size) and four M5 screws need to be prepared by the user to install the base adapter to the control panel.

The base units (*1 to *5) can be installed to different types of base adapters. Select the optimum base adapter.

Base adapter model	Installable product					Dimensions Width × Height (mm)
	12-slot	8-slot	5-slot	3-slot	2-slot	
ERNT-AQB38N	Q312B	Q38B ^{*1}				480 × 240
ERNT-AQB35N		Q38B ^{*1}				382 × 240
ERNT-AQB32N			Q35B	Q33B		247 × 240
ERNT-AQB68N	Q612B	Q68B ^{*2}				466 × 240
ERNT-AQB65N		Q68B ^{*2}	Q65B ^{*3} Q55B ^{*4}			352 × 240
ERNT-AQB62				Q63B	Q52B ^{*5}	238 × 240
ERNT-AQB58N		Q68B ^{*2}				411 × 240
ERNT-AQB55N			Q65B ^{*3} Q55B ^{*4}			297 × 240
ERNT-AQB52					Q52B ^{*5}	183 × 240

Conversion adapter support flanges (required)

The same base adapters used to replace the MELSEC-A series with the MELSEC-Q series are used.

A conversion adapter support flange secures the lower part of a conversion adapter. One support flange is required per base unit when a conversion adapter is used.

Note

- Two additional installation holes (M4 screw size) are required to install the conversion adapter support flange to the control panel.
When a base adapter is used, drilling of additional installation holes is not required.

Conversion adapter support flange model	Specifications
ERNT-AQF12	12-slot conversion adapter support flange
ERNT-AQF8	8-slot conversion adapter support flange
ERNT-AQF5	5-slot conversion adapter support flange
ERNT-AQF3	3-slot conversion adapter support flange