



Large type

Model list

Universal conversion adapters (large type)

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

For input/output modules 1-slot type

Input/Output	MELSEC iQ-R series module after replacement	Conversion adapter		
		Model	Shape	
			Terminal block (accessory)	MELSEC iQ-R series
Input	RX10	ERNT-AQTB20-S1	Terminal block* (38 points)	 Terminal block (18 points)
	RX28			
	RX40C7			
	RX70C4			
	RX40PC6H			
	RX40NC6H			
Output	RY10R2			
	RY18R2A			
	RY20S6			
	RY40NT5P			
	RY40PT5P			
Input	RX41C4	ERNT-1AR38TB	Terminal block (38 points)	 FCN connector (40P)
	RX41C6HS			
	RX61C6HS			
	RX71C4			
Output	RY41NT2P			
	RY41PT1P			
	RY41NT2H			
	RY41PT2H			

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



POINT

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

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

Base adapters

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

By using a base adapter, the MELSEC iQ-R 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.
(There may be a case that drilling of additional installation holes is not required if the installation dimensions of all the four holes are the same before and after replacement.)

The base units (*1 to *3) can be installed to different types of base adapters. Select the optimum base adapter.

Base adapter model	Installable product					Conversion adapter support flange	Dimensions Width × Height (mm)
	12-slot	10-slot	8-slot	5-slot	3-slot		
ERNT-AQB38N	R312B					ERNT-1AR12F	480 × 240
		R310B-HT				ERNT-1AR10F3	
			R38B ^{*1}			ERNT-1AR8F	
ERNT-AQB35N			R38B ^{*1}			ERNT-1AR8F	382 × 240
				R35B		ERNT-1AR5F	
ERNT-AQB32N					R33B	ERNT-1AR5F	247 × 240
ERNT-AQB68N	R612B					ERNT-1AR12F	466 × 240
		R610B-HT				ERNT-1AR10F6	
			R68B ^{*2}			ERNT-1AR8F	
ERNT-AQB65N			R68B ^{*2}			ERNT-1AR8F	352 × 240
				R65B ^{*3}		ERNT-1AR5F	
ERNT-AQB58N			R68B ^{*2}			ERNT-1AR8F	411 × 240
ERNT-AQB55N				R65B ^{*3}		ERNT-1AR5F	297 × 240

Conversion adapter support flanges (required)

The same conversion adapter support flanges used to replace the MELSEC-A series with the MELSEC iQ-R 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

Three 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-1AR12F	12-slot conversion adapter support flange	For main/extension base units
ERNT-1AR8F	8-slot conversion adapter support flange	
ERNT-1AR5F	5-slot conversion adapter support flange	
ERNT-1AR10F3	10-slot conversion adapter support flange	For the extended temperature range main base unit (R310B-HT)
ERNT-1AR10F6	10-slot conversion adapter support flange	For the extended temperature range extension base unit (R610B-HT)