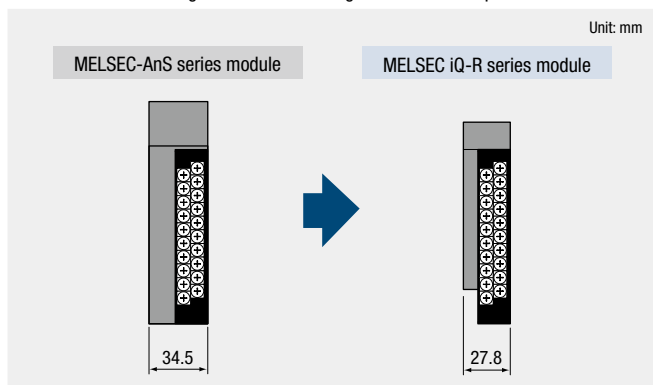


Precautions

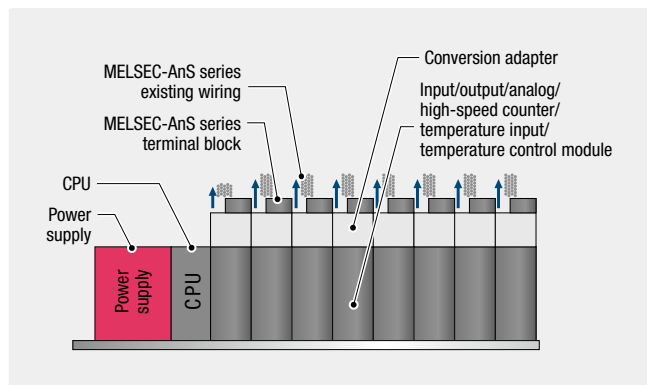
A conversion adapter is used to compensate the difference of the pin assignment when MELSEC-AnS series modules are replaced with MELSEC iQ-R series modules. Before using the product, please read the user's manual for the conversion adapter used. (The user's manuals can be downloaded from our website.) When replacing the MELSEC-AnS series with the MELSEC iQ-R series, refer to the user's manuals for each MELSEC iQ-R series module to check the differences in performance, functionality, input/output signals to/from the CPU module, and buffer memory addresses. Also, refer to the Transition from MELSEC-AnS/QnAS (Small Type) Series to MELSEC iQ-R Series Handbook published by Mitsubishi Electric. (Recommended)

Module width

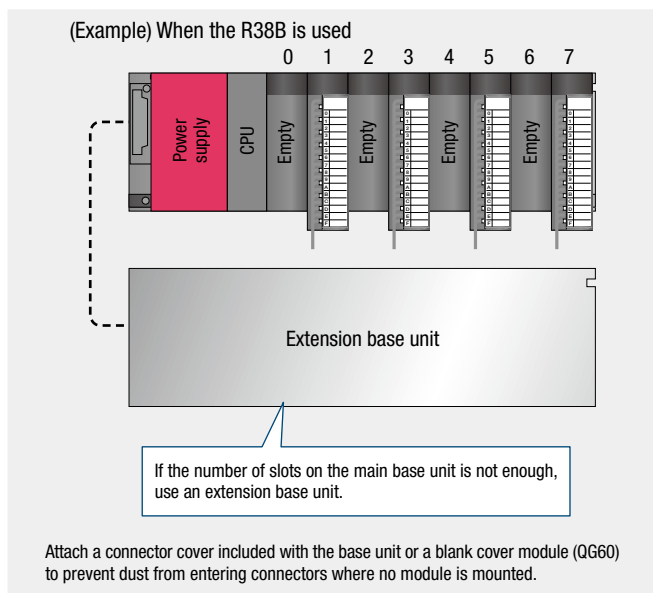
- (1) Since the width of MELSEC iQ-R series modules is smaller (MELSEC-AnS series: 34.5 mm → MELSEC iQ-R series: 27.8 mm), the wiring area becomes smaller as well. Check the wiring area when mounting a conversion adapter.



- (2) If the wiring causes interference with adjacent modules, lift the cables forward to prevent interference.



- (3) If interference still occurs, leave the next slot open to secure a space for wiring.



- (4) Taking the wiring area into consideration, the number of replaceable modules will be as follows.

MELSEC-AnS series base unit model	MELSEC iQ-R series base unit model	Replaced with	
		Mounting method	No. of replaceable modules
A1S38B A1S38HB A1S38HBEU	R38B		4
A1S35B	R35B		2
A1S68B A1S58B	R68B		4
A1S65B	R65B		2
A1SJCPU A1SJCPU-S3 A1SJHCPU	R35B		2
A1S33B	R33B		1
A1S32B	R33B		1

- (5) If modules cannot be replaced in accordance with (2), (3), and (4), consider the use of the extended temperature range base unit manufactured by Mitsubishi Electric. → P.15

Note) 2-slot type conversion adapters cannot be used.

Depth / Height

When a base adapter is used

The depth from the panel surface increases. Check the depth when mounting a conversion adapter.

The height may also increase toward the lower side depending on the replaced module. Check the depth and height when mounting a conversion adapter.

MELSEC-AnS series: [Base unit] + [Input/output/analog/high-speed counter/temperature input/temperature control module] + [Terminal block/connector]

MELSEC iQ-R series + Upgrade tool product: [Base adapter] + [Base unit] + [Input/output/analog/high-speed counter/temperature input/temperature control module] + [Conversion adapter] + [Terminal block/connector]

MELSEC-AnS : MELSEC-AnS series MELSEC iQ-R : MELSEC iQ-R series

Conversion adapter	ERNT-ASQTX10 ERNT-ASQTY22 ERNT-ASQTX40 ERNT-ASQTY40 ERNT-ASQTY50 ERNT-ASQTY80 ERNT-ASQT64AD	ERNT-ASQT62DA ERNT-ASQT68DA ERNT-2AR64TT ERNT-2AR64TR ERNT-2AR62TT ERNT-2AR62TR	ERNT-ASQT68AD	ERNT-2AR20X
Depth	66.6mm UP		66.6mm UP	69.1mm UP
Height	0mm UP		11mm UP	0mm UP
Mounting diagram				

Conversion adapter	ERNT-ASLTD61 ERNT-ASLTD62 ERNT-2AR62DD ERNT-2AR68AG ERNT-2AR68TD ERNT-2AR62RD	ERNT-ASLCXY81	ERNT-2AR64TT1BW ERNT-2AR64TR1BW ERNT-2AR62TT1BW ERNT-2AR62TR1BW
Depth	66.6mm UP	59.6mm UP	66.6mm UP
Height	6.4mm UP	6.4mm UP	1.9mm UP
Mounting diagram			

When a DIN rail is is used

The depth increases, and also the height increases toward the lower side. Check the depth and height when mounting a conversion adapter.

MELSEC-AnS series: [Base unit] + [Input/output/analog/high-speed counter/temperature input/temperature control module] + [Terminal block/connector]

MELSEC iQ-R series + Upgrade tool product: [Base unit] + [Input/output/analog/high-speed counter/temperature input/temperature control module] + [Conversion adapter] + [Terminal block/connector]

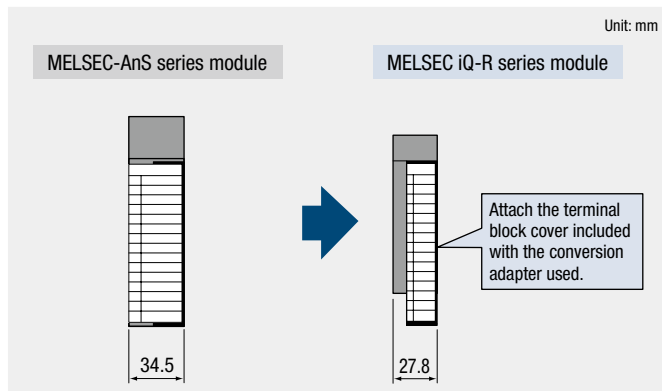
MELSEC-AnS : MELSEC-AnS series MELSEC iQ-R : MELSEC iQ-R series

Conversion adapter	ERNT-ASQTX10 ERNT-ASQTY22 ERNT-ASQTX40 ERNT-ASQTY40 ERNT-ASQTY50 ERNT-ASQTY80 ERNT-ASQT64AD ERNT-ASQT62DA ERNT-ASQT68DA ERNT-2AR64TT ERNT-2AR64TR ERNT-2AR62TT ERNT-2AR62TR	ERNT-ASQT68AD	ERNT-2AR20X
Depth	63.6mm UP	63.6mm UP	66.1mm UP
Height	4mm UP	15.5mm UP	4mm UP
Mounting diagram			

Conversion adapter	ERNT-ASLTD61 ERNT-ASLTD62 ERNT-2AR62DD ERNT-2AR68AG ERNT-2AR68TD ERNT-2AR62RD	ERNT-ASLCXY81	ERNT-2AR64TT1BW ERNT-2AR64TR1BW ERNT-2AR62TT1BW ERNT-2AR62TR1BW
Depth	63.6mm UP	56.6mm UP	63.6mm UP
Height	10.4mm UP	10.4mm UP	5.9mm UP
Mounting diagram			

Terminal block cover

The MELSEC-AnS series terminal block cover is larger than the width of the MELSEC iQ-R series modules. Replace it with the terminal block cover included with the conversion adapter used.



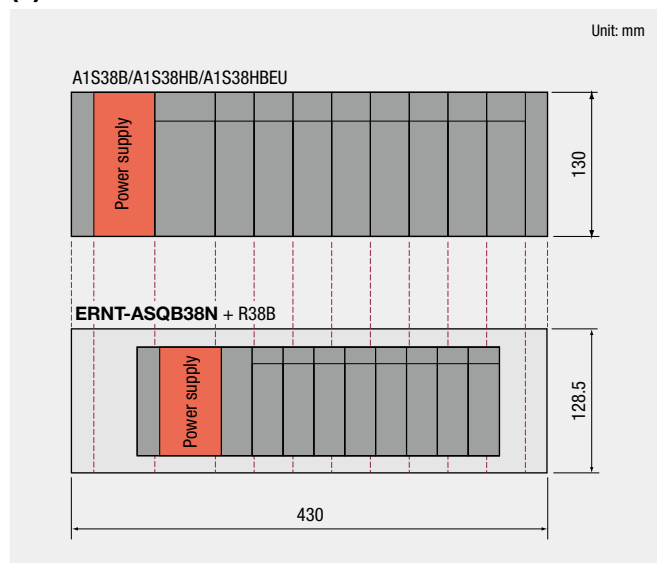
Base adapter

The use of a base adapter is recommended because the MELSEC iQ-R series can be installed using the MELSEC-AnS series base unit installation holes. (Drilling of additional holes is not required.)

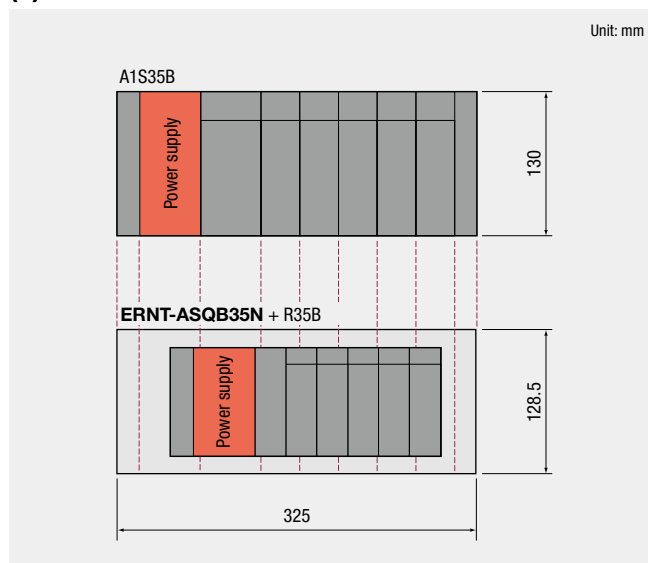
Slot positions

The slot positions differ between the MELSEC-AnS series modules before replacement and the MELSEC iQ-R series modules after replacement. Change the slot positions of modules (there may be empty slots) and adjust wiring lengths prior to use.

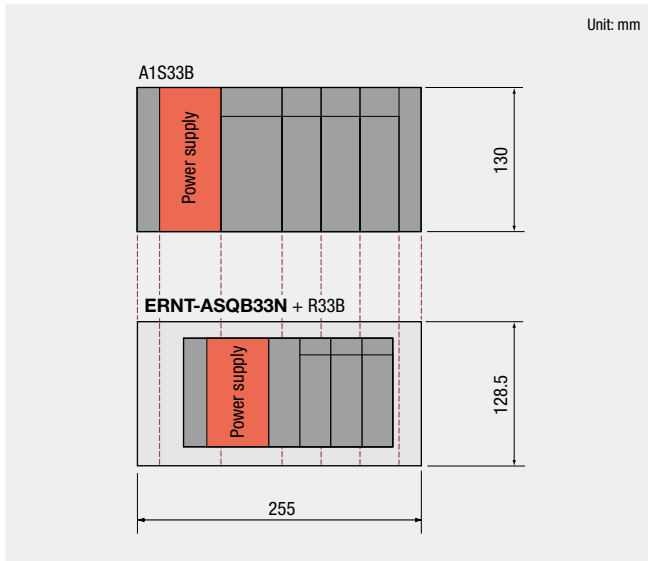
(1) A1S38B/A1S38HB/A1S38HBEU → R38B



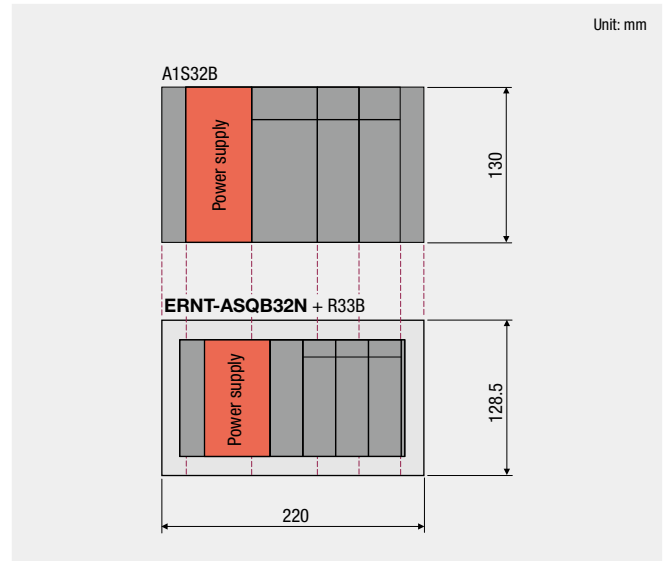
(2) A1S35B → R35B



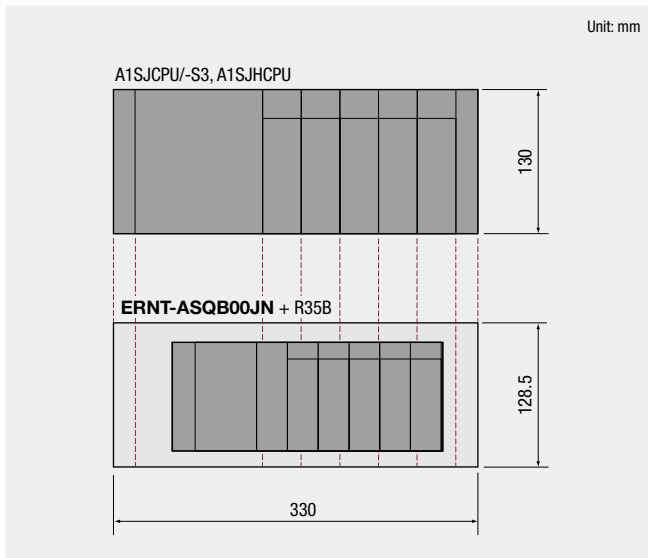
(3) A1S33B → R33B



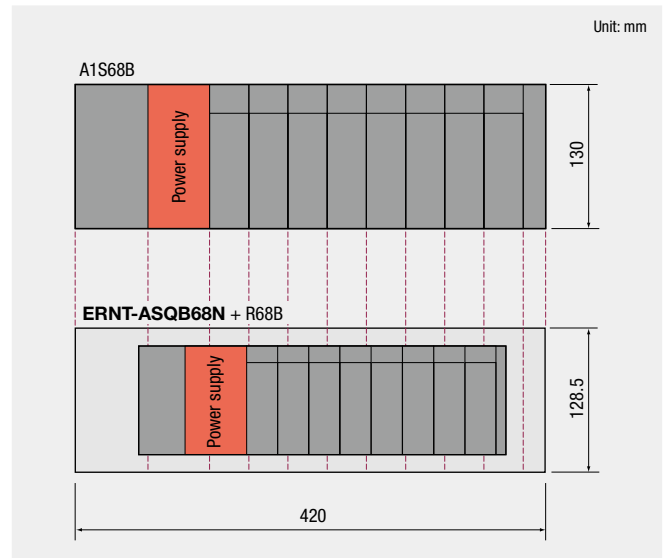
(4) A1S32B → R33B



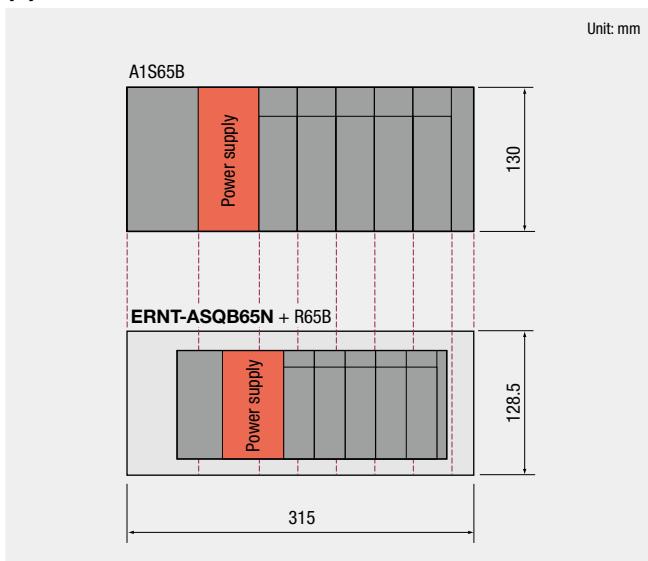
(5) A1SJCPU/-S3, A1SJHCPU → R35B



(6) A1S68B → R68B



(7) A1S65B → R65B



(8) A1S58B → R68B

