

Precautions

A conversion adapter is used to compensate the difference of the pin assignment when MELSEC-AnS series modules are replaced with MELSEC-Q series modules.

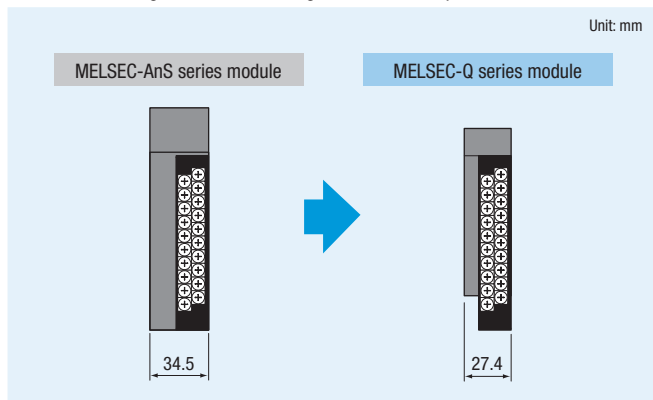
Before using the product, please read the user's manual for the conversion adapter used. (The user's manuals can be downloaded from our website.)

When replacing the MELSEC-AnS series with the MELSEC-Q series, refer to the user's manuals for each MELSEC-Q series module to check the differences in performance, functionality, input/output signals to/from the CPU module, and buffer memory addresses.

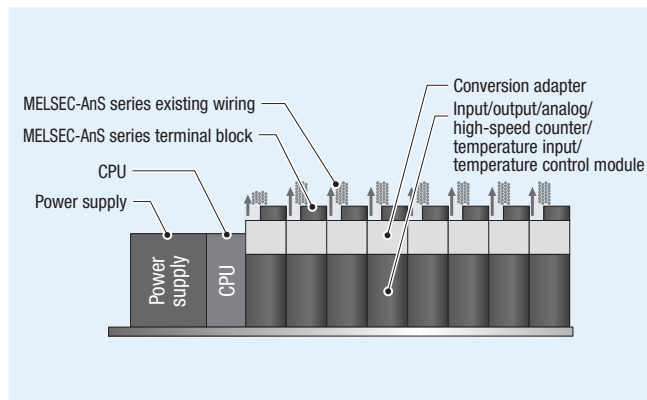
Also, refer to the Transition from MELSEC-AnS/QnAS (Small Type) Series to Q Series Handbook published by Mitsubishi Electric. (Recommended)

Module width

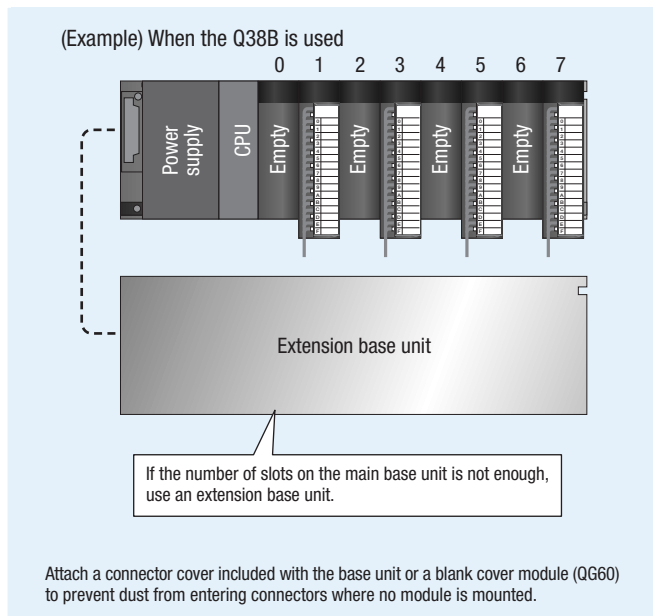
- (1) Since the width of MELSEC-Q series modules is smaller (MELSEC-AnS series: 34.5mm → MELSEC-Q series: 27.4mm), the wiring area becomes smaller as well. Check the wiring area when mounting a conversion adapter.



- (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-Q series base unit model	Replaced with	
		Mounting method	No. of replaceable modules
A1S38B A1S38HB A1S38HBEU	Q38B		4
A1S35B	Q35B		2
A1S33B A1S32B	Q33B		1
A1S68B A1S58B	Q68B		4
A1S65B	Q65B		2
A1S55B	Q55B		3
A1S52B	Q52B		1
A1SJCPU A1SJCPU-S3 A1SJHCPU	Q00JCPU Q00UJCPU Q35B		2

- (5) If modules cannot be replaced in accordance with (2), (3), and (4), consider the use of the Q series large type base unit (MELSEC-AnS series size) manufactured by Mitsubishi Electric. → P.16

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

Depth / Height

When a base adapter is used

The depth increases by 25.5 to 87.5mm.

The height increases by 11mm toward the lower side when the ERNT-ASQT68AD is used and by 1.9mm toward the lower side when the ERNT-ASQT6□TC□□BW is used.

MELSEC-AnS : MELSEC-AnS series MELSEC-Q : MELSEC-Q series

Conversion adapter	ERNT-ASQTX10 ERNT-ASQTX40 ERNT-ASQTX80 ERNT-ASQTY40	ERNT-ASQTY50 ERNT-ASQTY80 ERNT-ASQT64AD ERNT-ASQT62RD	ERNT-ASQT68AD	ERNT-ASQTY22 ERNT-ASQT62DA ERNT-ASQT68DA ERNT-ASQT63ADA	ERNT-ASQT64TCTT ERNT-ASQT64TCRT ERNT-ASQT62TCTT ERNT-ASQT62TCRT
Depth	25.5mm UP		25.5mm UP	47.5mm UP	
Height	0mm UP		11mm UP	0mm UP	
Mounting diagram					

Conversion adapter	ERNT-ASQTX20 ERNT-ASQTY60 ERNT-ASQTY60E	ERNT-ASQT68AD-G ERNT-ASQTD61 ERNT-ASQTD62 ERNT-ASQTD62D ERNT-ASQT68TD-H01	ERNT-ASQT68TD-H02	ERNT-ASQT64TCTTBW ERNT-ASQT64TCRTBW ERNT-ASQT62TCTTBW ERNT-ASQT62TCRTBW
Depth	28mm UP	47.5mm UP	87.5mm UP	47.5mm UP
Height	0mm UP	0mm UP	0mm UP	1.9mm UP
Mounting diagram				

When a DIN rail is used

The depth increases by 22.5 to 84.5mm. The height increases by 4 to 15.5mm toward the lower side.

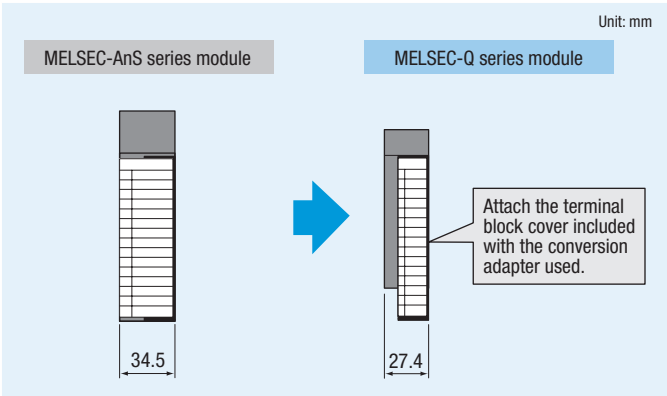
MELSEC-AnS : MELSEC-AnS series MELSEC-Q : MELSEC-Q series

Conversion adapter	ERNT-ASQTX10 ERNT-ASQTX40 ERNT-ASQTX80 ERNT-ASQTY40	ERNT-ASQTY50 ERNT-ASQTY80 ERNT-ASQT64AD ERNT-ASQT62RD	ERNT-ASQT68AD	ERNT-ASQTY22 ERNT-ASQT62DA ERNT-ASQT68DA ERNT-ASQT63ADA	ERNT-ASQT64TCTT ERNT-ASQT64TCRT ERNT-ASQT62TCTT ERNT-ASQT62TCRT
Depth	22.5mm UP		22.5mm UP	44.5mm UP	
Height	4mm UP		15.5mm UP	4mm UP	
Mounting diagram					

Conversion adapter	ERNT-ASQTX20 ERNT-ASQTY60 ERNT-ASQTY60E	ERNT-ASQT68AD-G ERNT-ASQTD61 ERNT-ASQTD62 ERNT-ASQTD62D ERNT-ASQT68TD-H01	ERNT-ASQT68TD-H02	ERNT-ASQT64TCTTBW ERNT-ASQT64TCRTBW ERNT-ASQT62TCTTBW ERNT-ASQT62TCRTBW
Depth	25mm UP	44.5mm UP	84.5mm UP	44.5mm UP
Height	4mm UP	4mm UP	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-Q series modules. Replace it with the terminal block cover included with the conversion adapter used.
(2-slot type modules are excluded.)



Base adapter, conversion adapter DIN rail mounting bracket

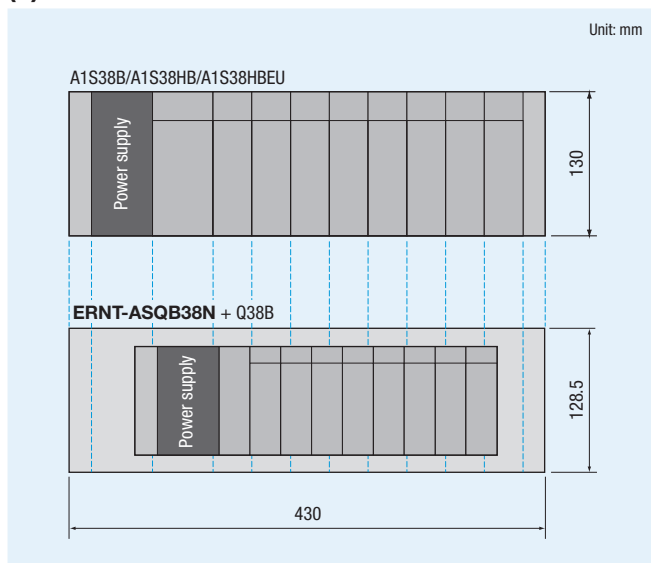
When a conversion adapter with a fixture or a disconnection detection connector conversion cable for the temperature control module is used, a base adapter or a conversion adapter DIN rail mounting bracket is required. Note that when installing the MELSEC-Q series base unit onto a DIN rail, a DIN rail adapter manufactured by Mitsubishi Electric (sold separately) is also required.

Installation method	Conversion adapter	Disconnection detection connector conversion cable	Base adapter ERNT-ASQB { } N	Conversion adapter DIN rail mounting bracket ERNT-ASQDIN { }	Remarks
Panel surface installation	With a fixture	Connected	Required	-	-
	Without a fixture	Not connected	Required*	-	*: Not required when the MELSEC-AnS series base unit installation holes are not used.
DIN rail installation	With a fixture	Connected	-	Required*	*: A DIN rail adapter manufactured by Mitsubishi Electric (sold separately) is also required.
	Without a fixture	Not connected	-	Not required	-

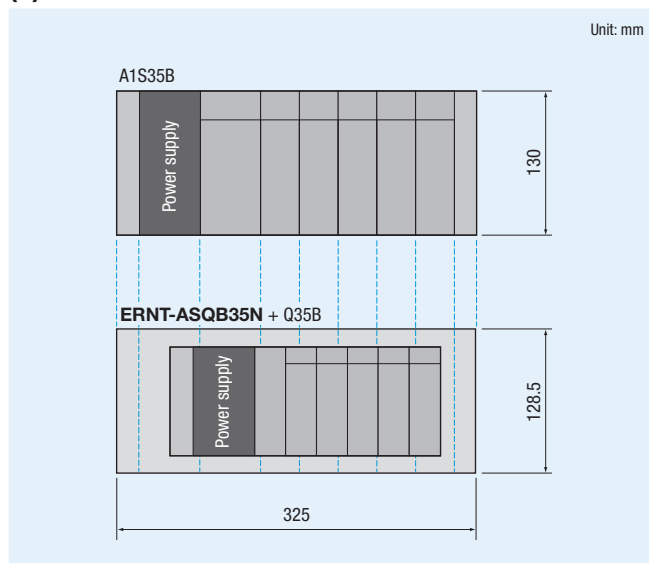
Slot positions

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

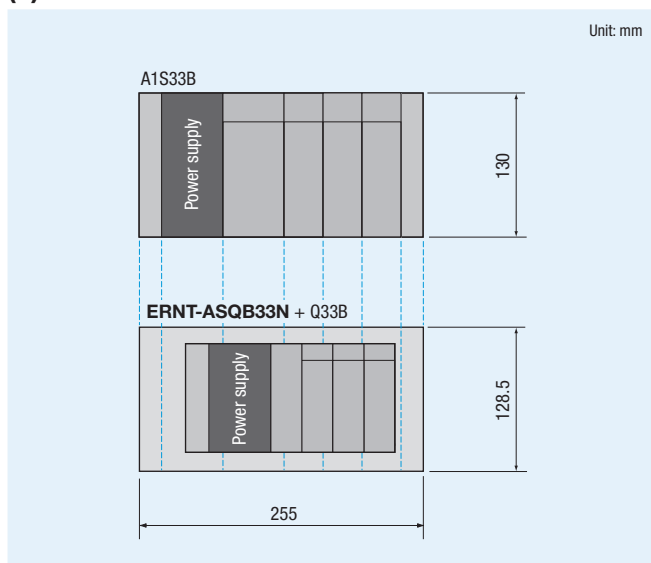
(1) A1S38B/A1S38HB/A1S38HBEU → Q38B



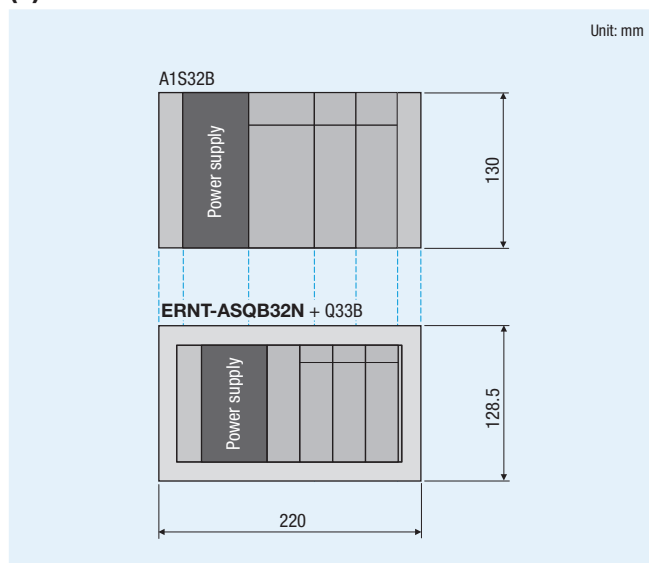
(2) A1S35B → Q35B



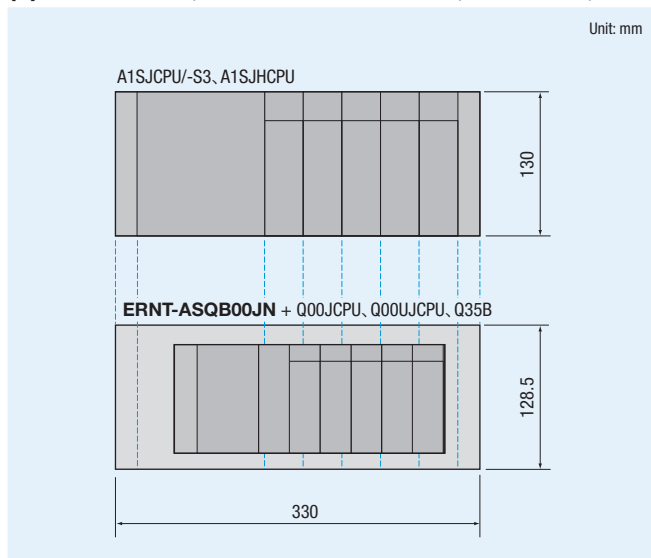
(3) A1S33B → Q33B



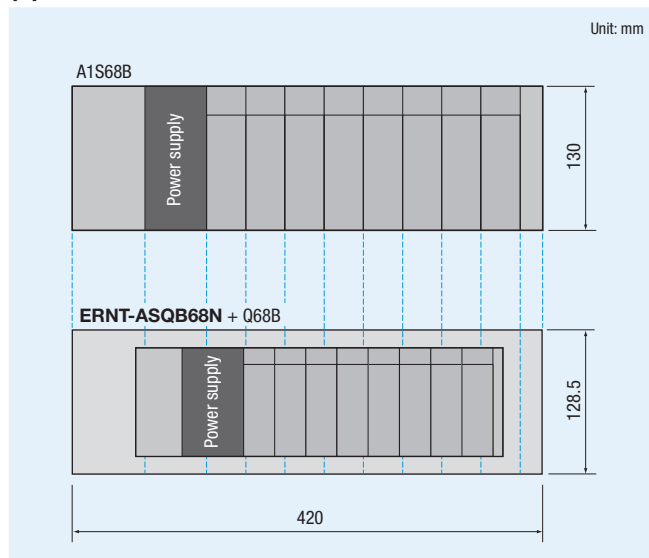
(4) A1S32B → Q33B

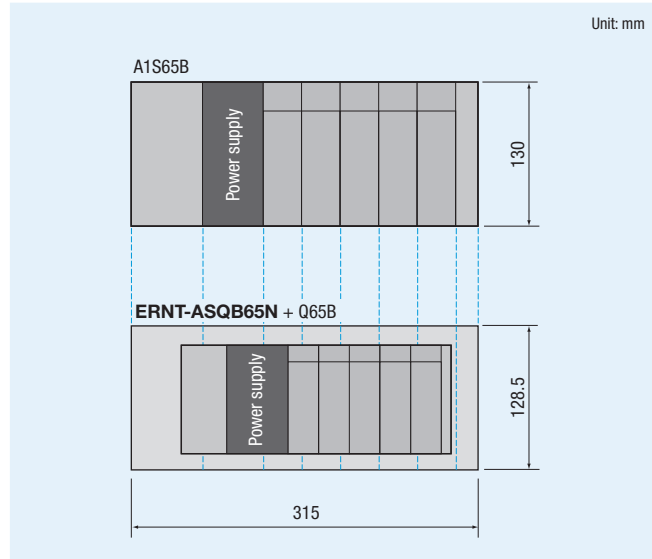
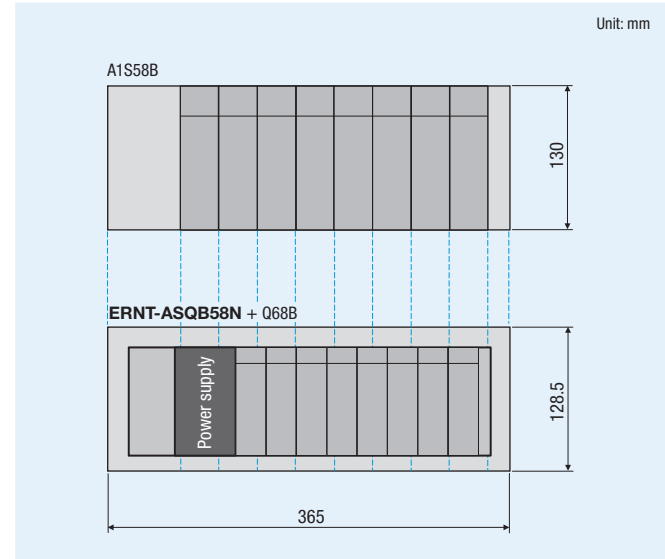
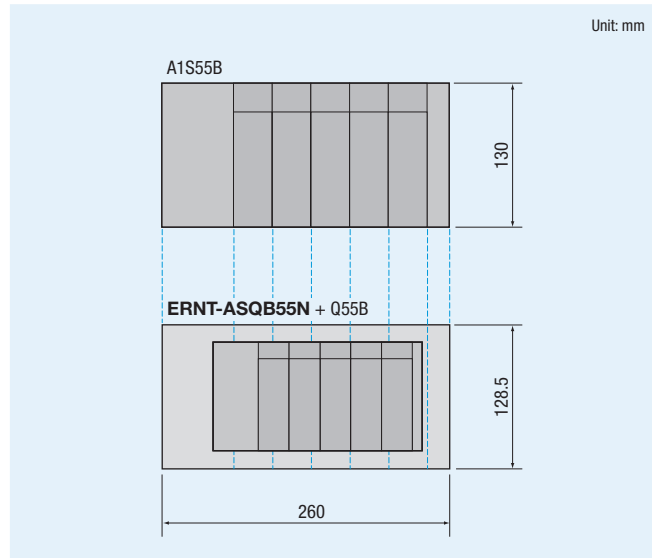
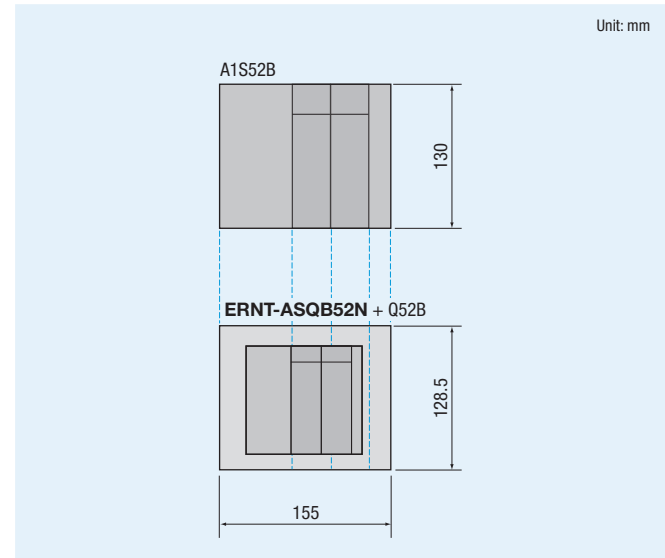


(5) A1SJCPU/-S3, A1SJHCPU → Q00JCPU, Q00UJCPU, Q35B

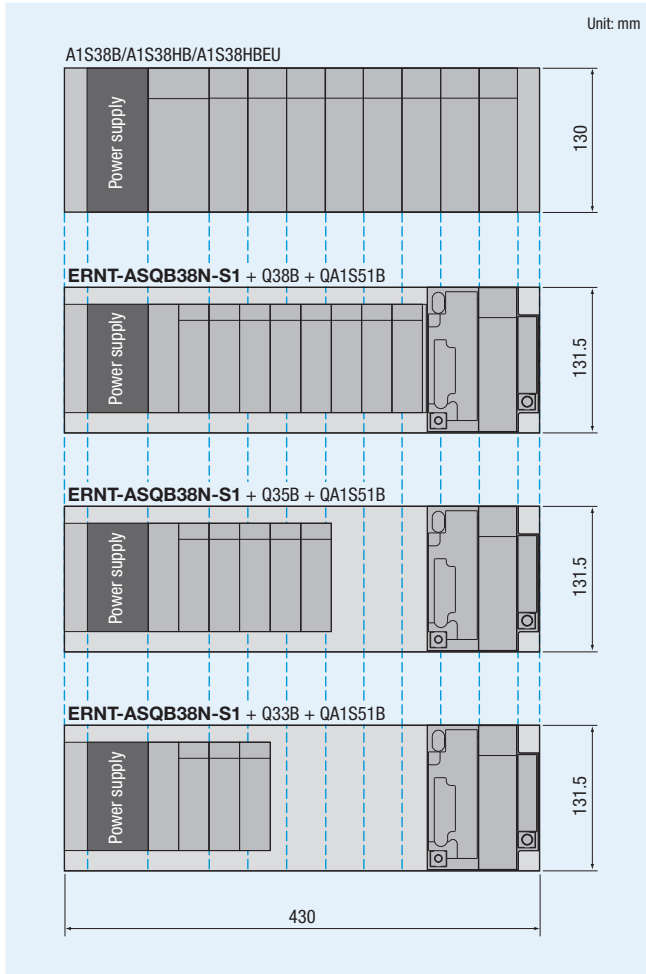


(6) A1S68B → Q68B

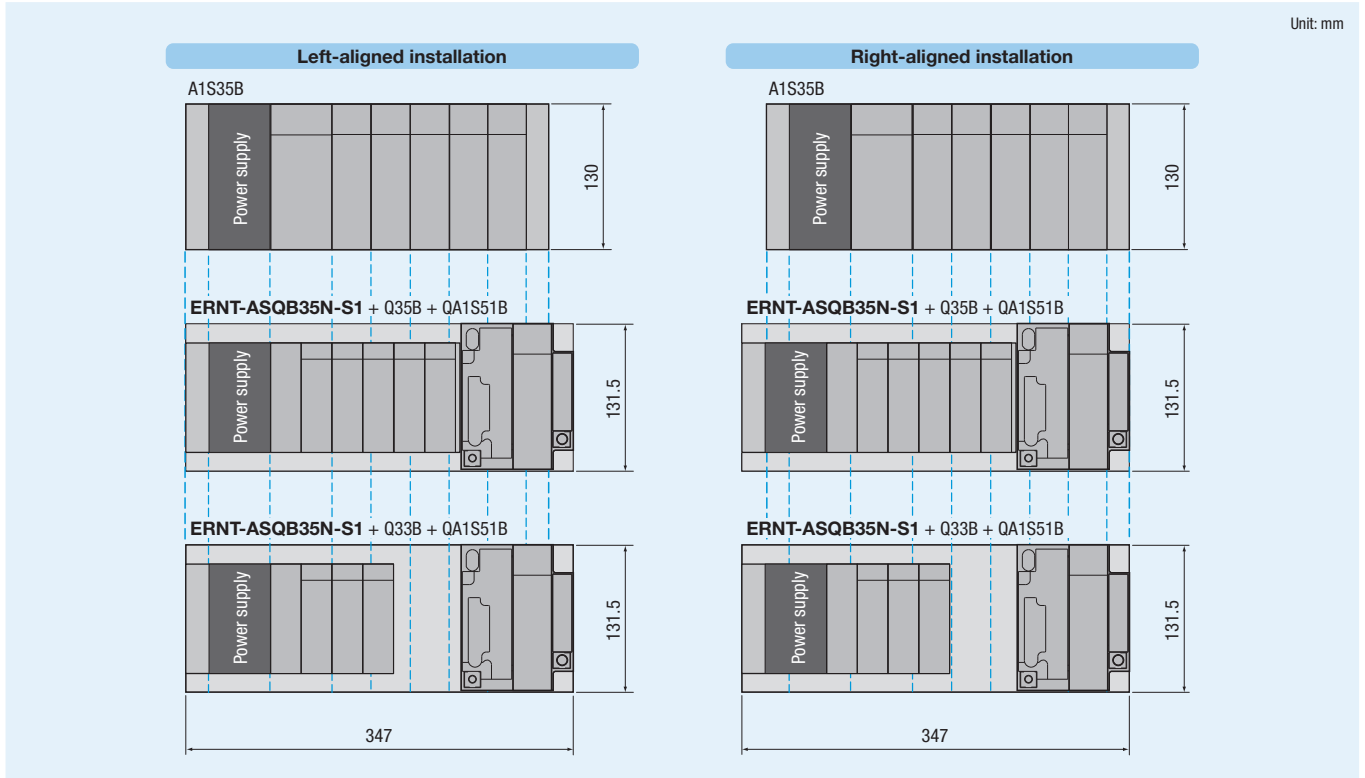


(7) A1S65B → Q65B**(8) A1S58B → Q68B****(9) A1S55B → Q55B****(10) A1S52B → Q52B**

(11) A1S38B/A1S38HB/A1S38HBEU → Q38B/Q35B/Q33B+QA1S51B



(12) A1S35B → Q35B/Q33B+QA1S51B



(13) A1S33B → Q33B+QA1S51B

Unit: mm

