

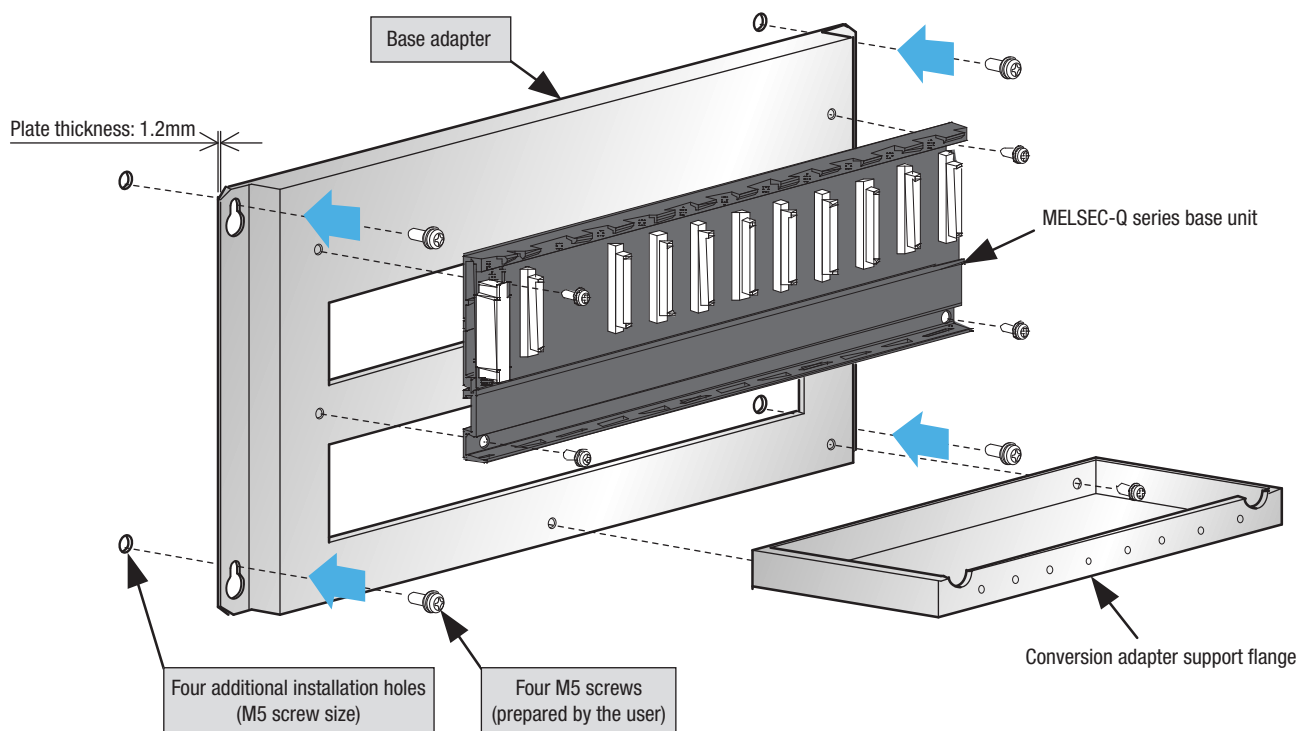
Base adapters

Specifications

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

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.

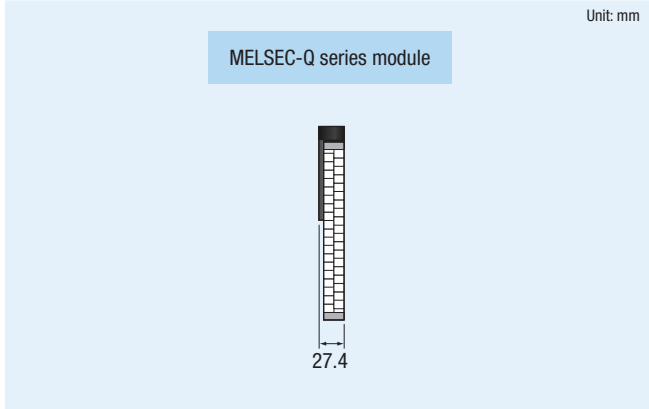
Base adapter model	Installable product					Conversion adapter support flange	Dimensions Width × Height (mm)
	12-slot	8-slot	5-slot	3-slot	2-slot		
ERNT-AQB38N	Q312B	Q38B ^{*1}				ERNT-AQF12, ERNT-AQF8 ERNT-AQF8	480 × 240
ERNT-AQB35N		Q38B ^{*1}				ERNT-AQF8, ERNT-AQF5 ERNT-AQF5	382 × 240
ERNT-AQB32N			Q35B	Q33B		ERNT-AQF3	247 × 240
ERNT-AQB68N	Q612B	Q68B ^{*2}				ERNT-AQF12, ERNT-AQF8 ERNT-AQF8	466 × 240
ERNT-AQB65N		Q68B ^{*2}	Q65B ^{*3} Q55B ^{*4}			ERNT-AQF8, ERNT-AQF5 ERNT-AQF5	352 × 240
ERNT-AQB62				Q63B	Q52B ^{*5}	ERNT-AQF3	238 × 240
ERNT-AQB58N		Q68B ^{*2}				ERNT-AQF8	411 × 240
ERNT-AQB55N			Q65B ^{*3} Q55B ^{*4}			ERNT-AQF5	297 × 240
ERNT-AQB52					Q52B ^{*5}	ERNT-AQF3	183 × 240

Precautions

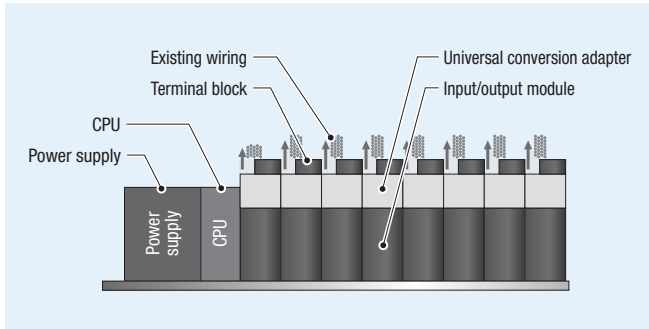
Check that the specifications of MELSEC-Q series modules satisfy the specifications of the devices currently connected.
Refer to the user's manuals for the MELSEC-Q series module used prior to use.

Module width

- (1) The width of MELSEC-Q series modules is 27.4mm. The wiring area may become smaller. Check the wiring area when mounting a conversion adapter.

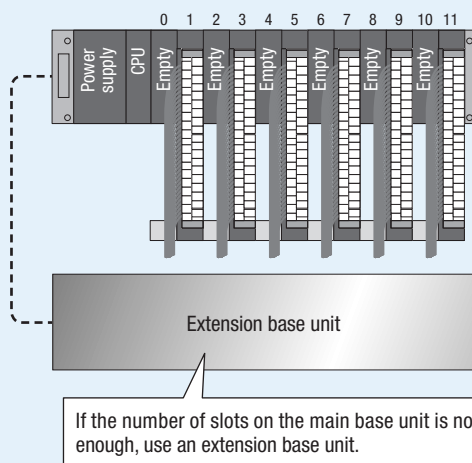


- (2) If the wiring causes interference with adjacent modules, lift the cables forward to prevent interference.



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

(Example) When the Q312B is used



Attach a connector cover included with the base unit or a blank cover module (QG60) to prevent dust from entering connectors where no module is mounted.

- (4) If modules cannot be replaced in accordance with (2) and (3), consider the use of the Q series large type base unit manufactured by Mitsubishi Electric. → P.24

Depth

The depth after replacement is shown below. The depth from the panel surface may increase. Check the depth when mounting a conversion adapter.
Values in parentheses (shorter by 11.8mm) are the dimensions when a base adapter is not used.

MELSEC-Q : MELSEC-Q series

Universal conversion adapter	ERNT-AQTB20	ERNT-AQTB20-S1	ERNT-AQTB38 ERNT-AQTB38-E
Depth	153.9mm (142.1mm)	176.2mm (164.4mm)	165.3mm (153.5mm)
Mounting diagram	Unit: mm MELSEC-Q + Upgrade tool product Base adapter Universal conversion adapter Terminal block Conversion adapter support flange 153.9 (142.1)	Unit: mm MELSEC-Q + Upgrade tool product Base adapter Universal conversion adapter Terminal block Conversion adapter support flange 176.2 (164.4)	Unit: mm MELSEC-Q + Upgrade tool product Base adapter Universal conversion adapter Terminal block Conversion adapter support flange 165.3 (153.5)

Conversion adapter support flange, base adapter

When a universal conversion adapter is used, the conversion adapter support flange is always required.

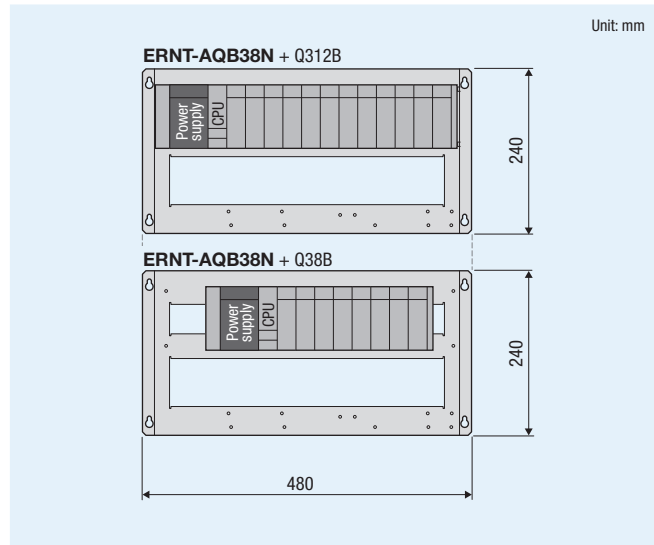
Also, it is recommended to use a base adapter that enables installation of the MELSEC-Q series base unit and the conversion adapter support flange at the same time without drilling any additional installation holes.

Slot positions

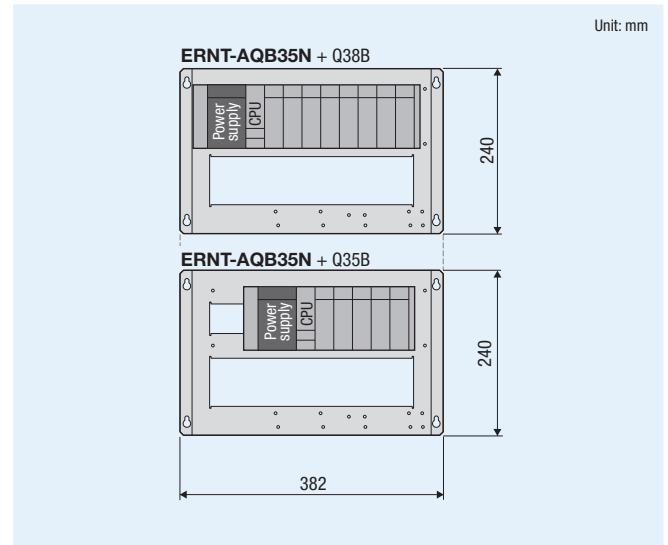
The slot positions will be as follows after replacement.

Change the slot positions of modules and adjust wiring lengths prior to use.

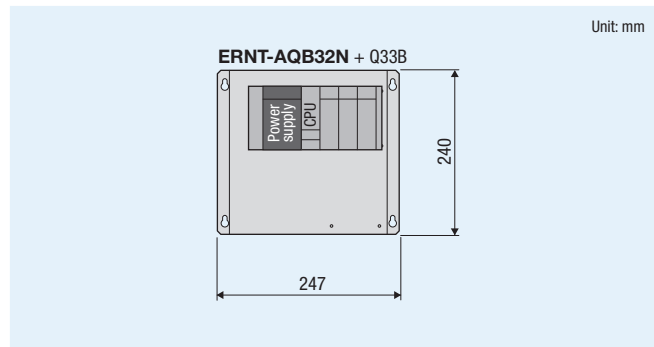
(1) ERNT-AQB38N



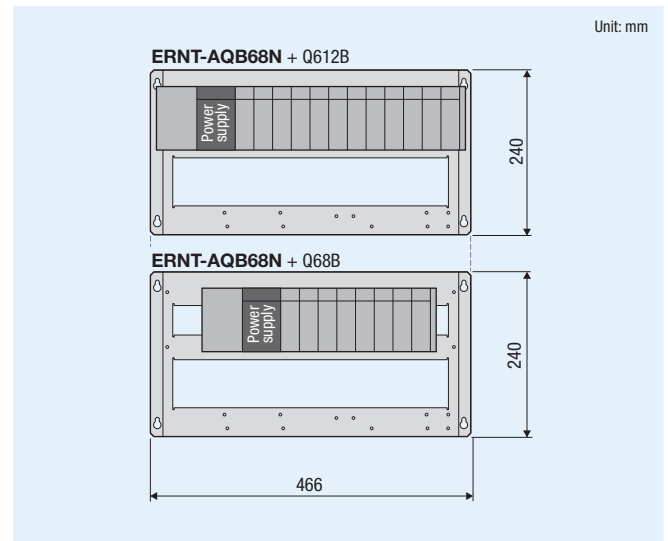
(2) ERNT-AQB35N



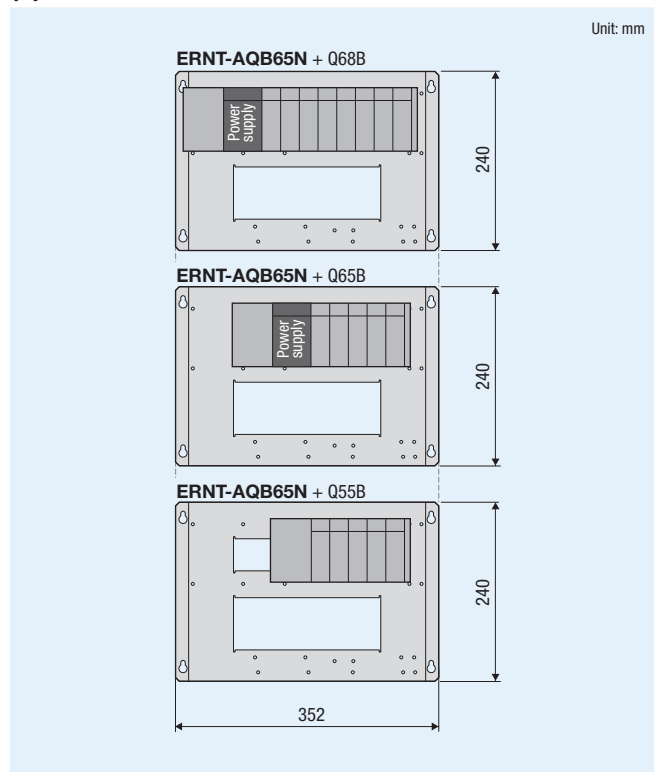
(3) ERNT-AQB32N



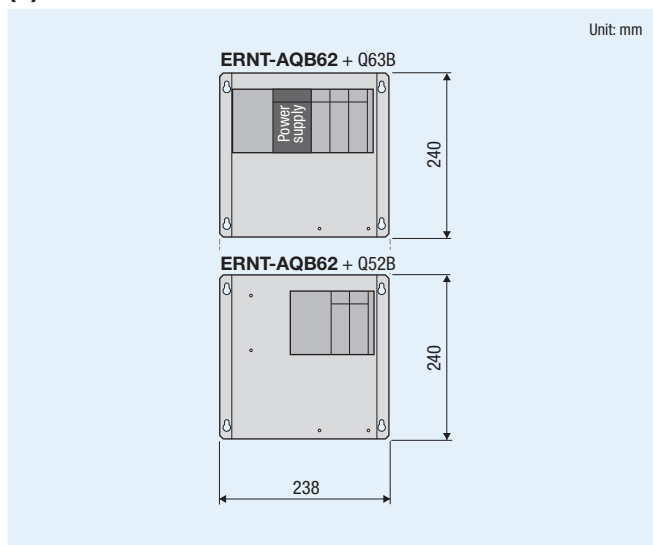
(4) ERNT-AQB68N



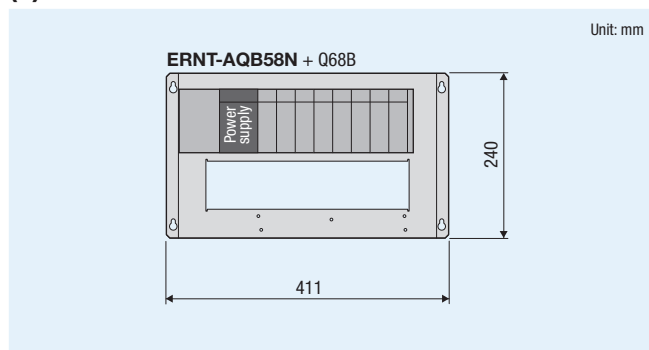
(5) ERNT-AQB65N



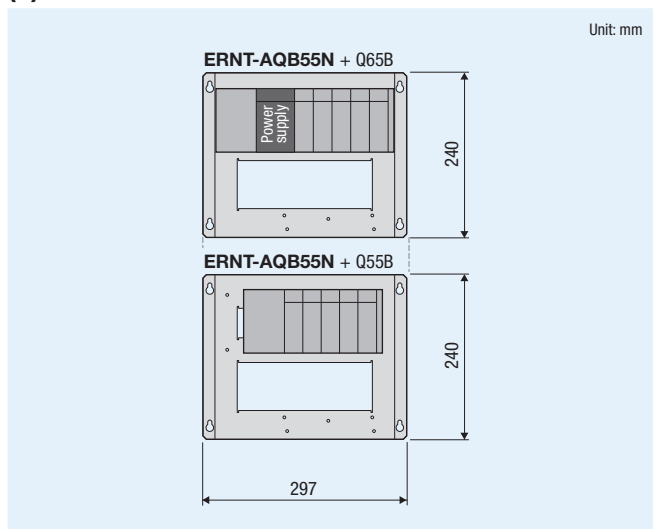
(6) ERNT-AQB62



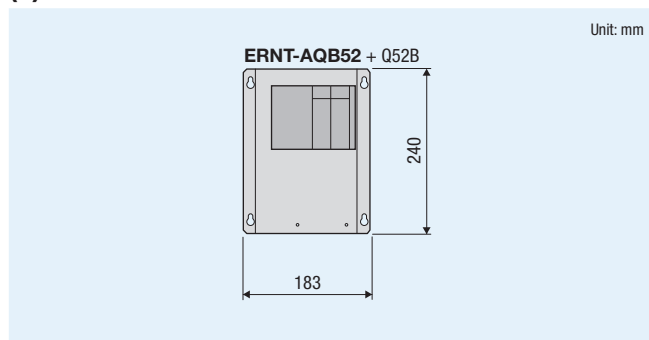
(7) ERNT-AQB58N



(8) ERNT-AQB55N



(9) ERNT-AQB52



Small type

Model list

Universal conversion adapters (small 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 (MELSEC-AnS series size) (Q□□BLS, Q□□BLS-D) as well)

Input/Output	MELSEC-Q series module after replacement	Conversion adapter		
		Model	Shape	
			Terminal block (accessory)	MELSEC-Q series
Input	QX10	ERNT-ASQTB20	Terminal block (20 points)	Terminal block (18 points)
	QX28			
	QX40			
	QX40-S1			
	QX40H			
	QX50			
	QX70			
	QX70H			
	QX80			
	QX80H			
	QX90H			
Output	QY10	ERNT-ASQTB20	Terminal block (20 points)	Terminal block (18 points)
	QY18A			
	QY22			
	QY40P			
	QY50			
	QY68A			
	QY70			
	QY80			
I/O combined	QX48Y57			



POINT

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

- MELSEC-AnS series → MELSEC-Q series
- SYSMAC C series (C200H and CS series) → MELSEC-Q series
- New satellite JW series (small type) → MELSEC-Q series