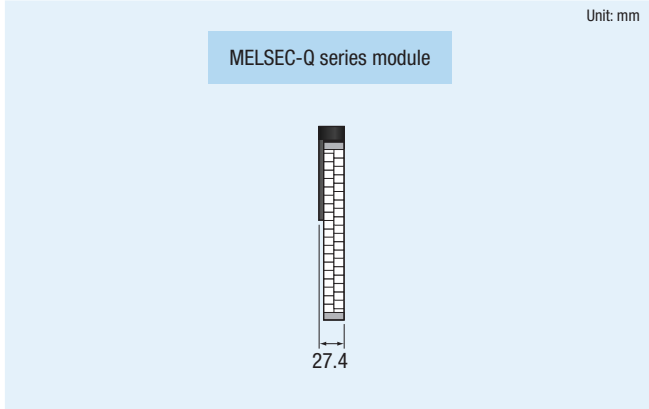


Precautions

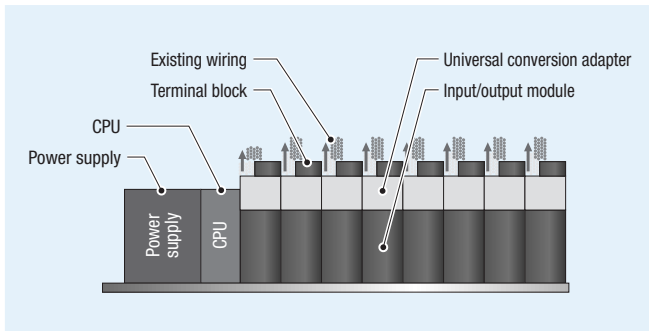
Check that the specifications of MELSEC-Q series modules satisfy the specifications of the devices currently connected.
Refer to the user's manuals for the MELSEC-Q series module used prior to use.

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.

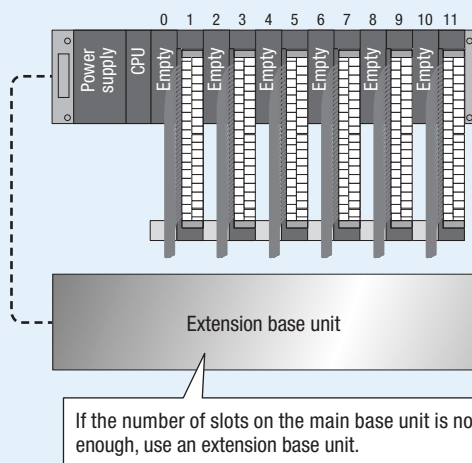


- (2) If the wiring causes interference with adjacent modules, lift the cables forward to prevent interference.



- (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.

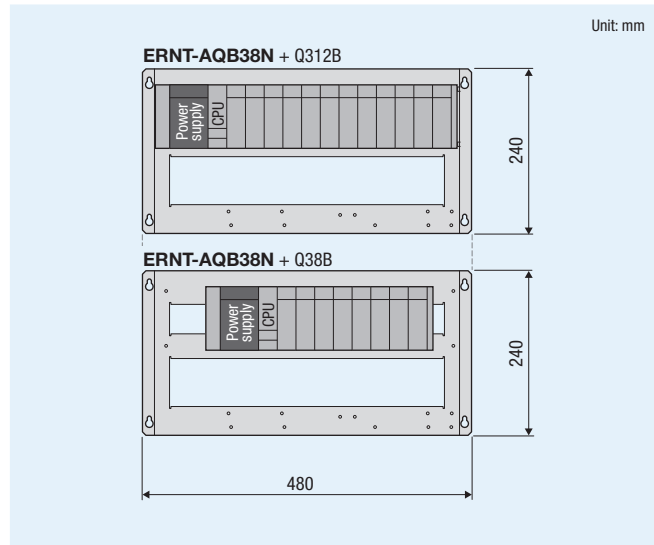
Also, it is recommended to use a base adapter that enables installation of the MELSEC-Q series base unit and the conversion adapter support flange at the same time without drilling any additional installation holes.

Slot positions

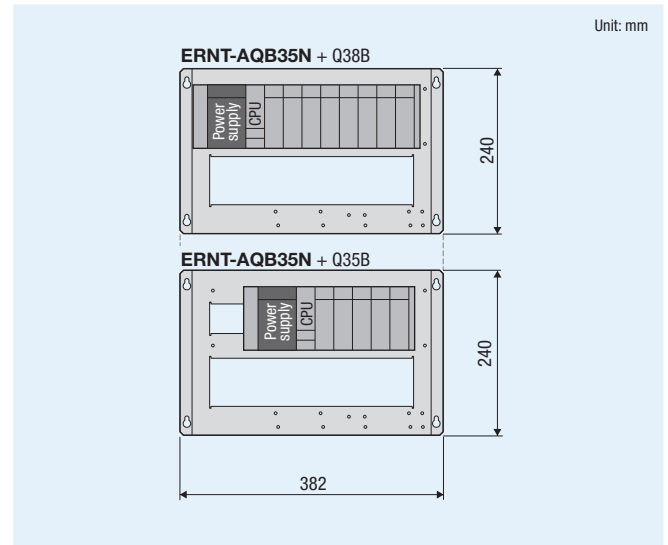
The slot positions will be as follows after replacement.

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

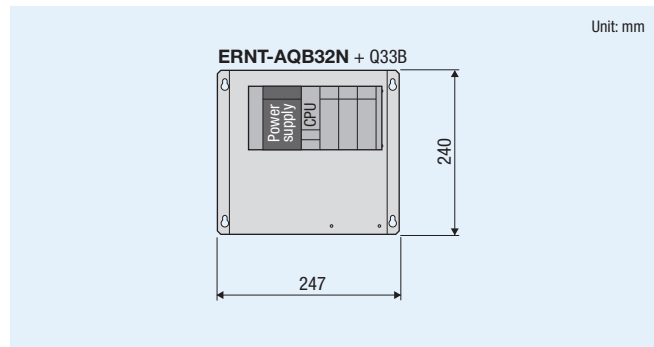
(1) ERNT-AQB38N



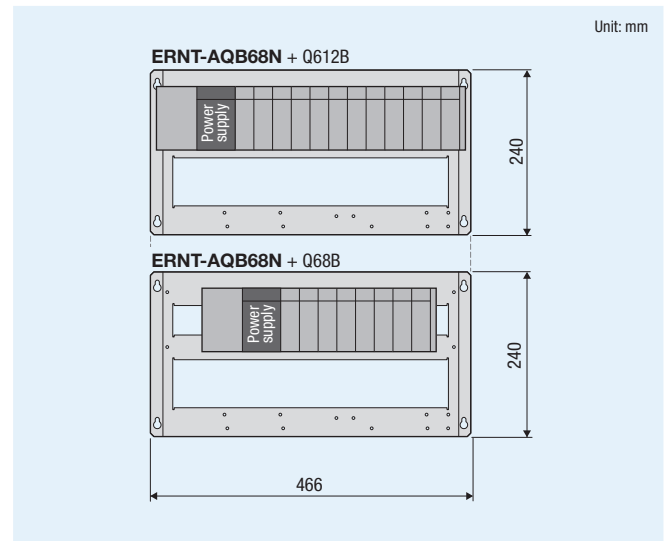
(2) ERNT-AQB35N



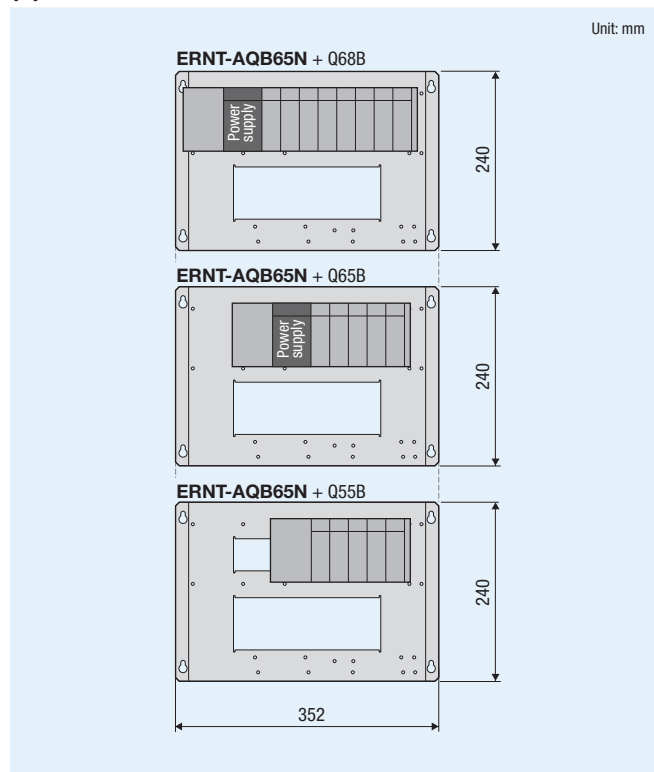
(3) ERNT-AQB32N



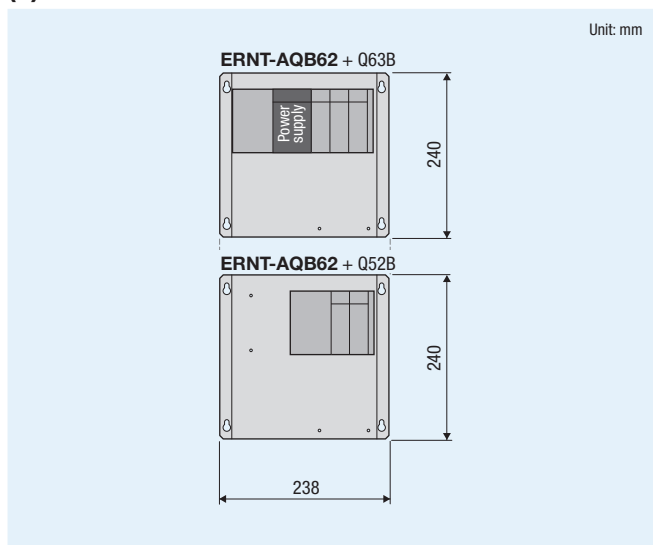
(4) ERNT-AQB68N



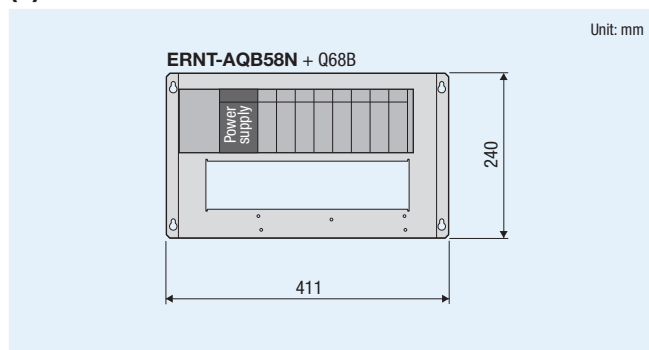
(5) ERNT-AQB65N



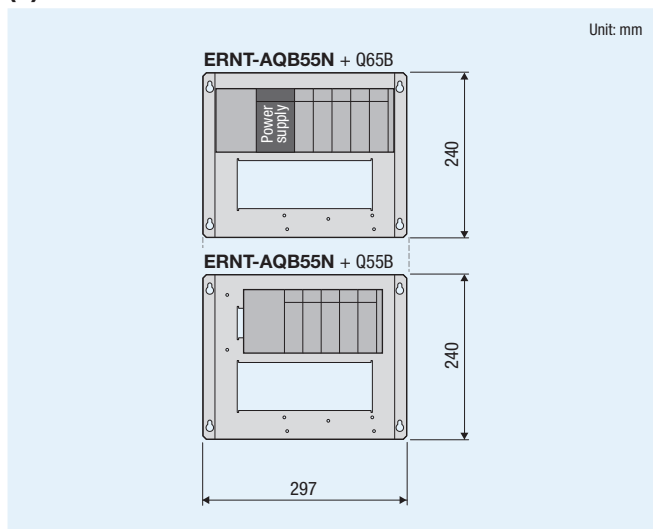
(6) ERNT-AQB62



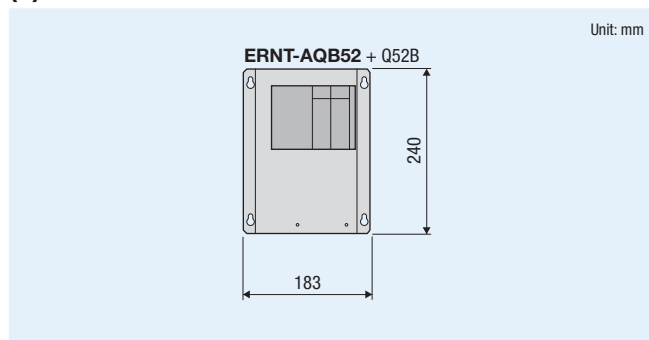
(7) ERNT-AQB58N



(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	ERNT-ASQTB20	Terminal block (20 points)	Terminal block (18 points)



POINT

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

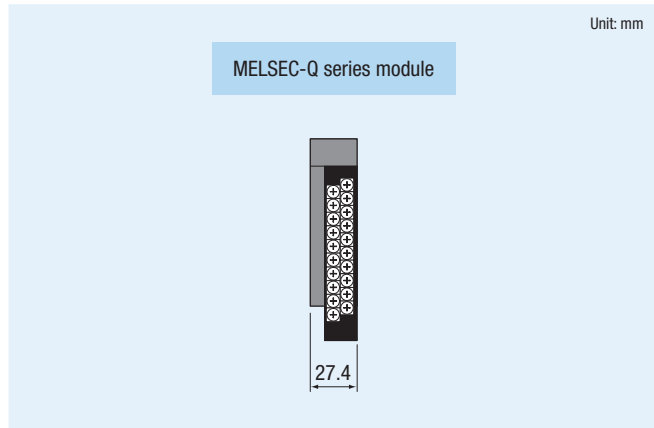
- MELSEC-AnS series → MELSEC-Q series
- SYSMAC C series (C200H and CS series) → MELSEC-Q series
- New satellite JW series (small type) → MELSEC-Q series

Precautions

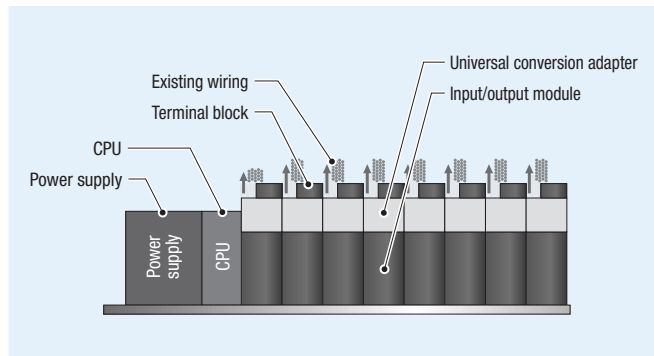
Check that the specifications of MELSEC-Q series modules satisfy the specifications of the devices currently connected.
Refer to the user's manuals for the MELSEC-Q series module used prior to use.

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.

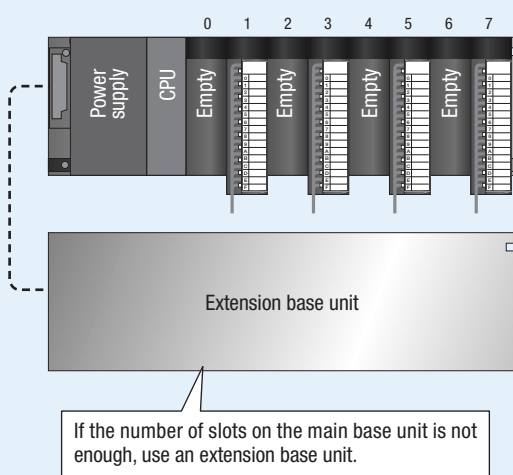


(2) If the wiring causes interference with adjacent modules, lift the cables forward to prevent interference.



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

(Example) When the Q38B 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 (MELSEC-AnS series size) manufactured by Mitsubishi Electric.
→ P.25

Depth / Height

MELSEC-Q

 : MELSEC-Q series

MELSEC-Q series module	Other than QY22	QY22
Depth	128.5mm	150.5mm
Height	117.5mm	117.5mm
Mounting diagram	Unit: mm MELSEC-Q + Upgrade tool product 117.5 Universal conversion adapter Terminal block 128.5 Unit: mm MELSEC-Q + Upgrade tool product 117.5 Universal conversion adapter Terminal block 150.5	