[Issue No.] T40-0004 [Title] Anti-vibration measures for Q series base unit [Relevant Medels] DIN rol mounting adapters (Q6DIN1_Q

[Page] 1/6 [Date of Issue] Jun., '04

[Relevant Models] DIN rail mounting adaptors (Q6DIN1, Q6DIN2, Q6DIN3)

Thank you for your continued support of Mitsubishi programmable logic controllers, MELSEC-Q series. The Q series base unit when mounted on DIN rail is now more resistant to vibration resulting in a more secure installation, by using the additional accessory parts as indicated in 3) to 5) in Section 2. The additional parts (shown in Section 2) are designed for use when installation is required in a strong vibration prone environment. Therefore, mounting these parts allows the base unit to be fixed more securely, ensuring safer operation.

For the installation method of the DIN rail (including the accessory parts), refer to Section 4.

1. Applicable models

DIN rail mounting adapter	Applicable main base unit	
Q6DIN1	Q38B, Q312B, Q38RB, Q68B, Q612B, Q68RB	
Q6DIN2	Q35B, Q65B, Q00JCPU	
Q6DIN3	Q33B, Q52B, Q55B, Q63B, Q32SB, Q33SB, Q35SB	

2. Included parts

The list of the included accessory parts are shown in the following table. The parts 3) to 5) have been newly added.

DIN rail mounting adaptors	Quantity of included parts					
	For old model		Parts added to new model			
	1) Adaptor (Large)	2) Adaptor (small)	3) Mounting screw (M5 $ imes$ 10)	4) Square washer	5) Stopper	
Q6DIN1	2	4	3	3	2	
Q6DIN2	2	3	2	2	2	
Q6DIN3	1	2	2	2	2	

3. Distinguishing from old models

For the DIN rail mounting adaptors supplied with the additional accessory parts, "A" has been added on the right side of the model code.





[Issue No.] T40-0004

[Title] Anti-vibration measures for Q series base unit

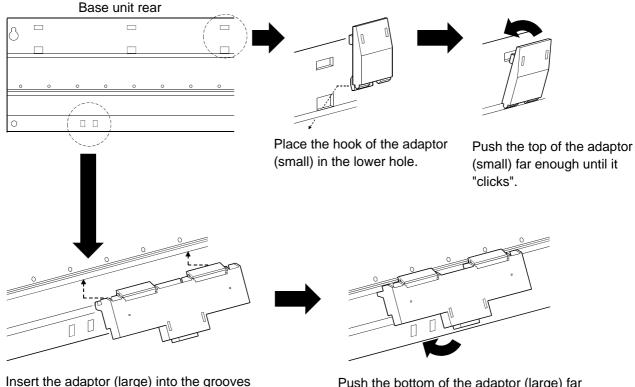
[Page] 2/6 [Date of Issue] Jun., '04

[Relevant Models] DIN rail mounting adaptors (Q6DIN1, Q6DIN2, Q6DIN3)

4. DIN rail installation method

(1) Adaptor installation method

Installation guide of the adaptors used for mounting the base unit onto the DIN rail.



Insert the adaptor (large) into the grooves of the base unit from below.

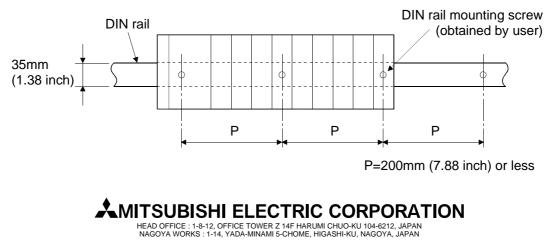
(2) Applicable DIN rail types (IEC 60715)

TH35-7.5Fe TH35-7.5Al TH35-15Fe

(3) DIN rail mounting screw intervals

Push the bottom of the adaptor (large) far enough until it "clicks".

When using either the TH35-7.5Fe or TH35-7.5Al type DIN rail, the rail mounting screws (obtained by user) should be inserted in 200 mm intervals (7.88 inch) or less in order to ensure that the rail has sufficient strength.



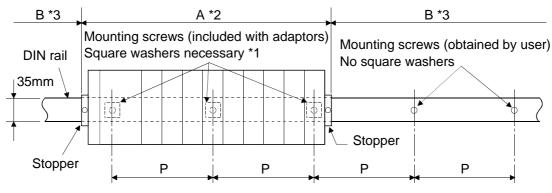
[Issue No.] T40-0004 [Title] Anti-vibration measures for Q series base unit [Page] 3/6 [Date of Issue] Jun., '04

[Relevant Models] DIN rail mounting adaptors (Q6DIN1, Q6DIN2, Q6DIN3)

When installing the DIN rail in a place vibration and/or shock prone environment, insert the mounting screws in 200mm intervals or less by following the method shown below.

For Q38B, Q312B, Q68B, Q38RB or Q68RB type

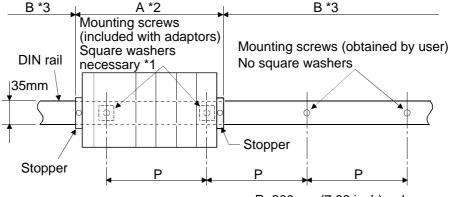
Screw the DIN rail in three places using the mounting screws and square washers included with the DIN rail mounting adaptors (hereafter abbreviated to the adaptors) in 'Position A' (bottom of base unit).



P=200mm (7.88 inch) or less

For Q35B, Q65B, Q00JCPU, Q33B, Q52B, Q55B, Q63B, Q32SB, Q33SB or Q35SB type

Screw the DIN rail in two places using the mounting screws and square washers included with the adaptors in 'Position A' (bottom of base unit).



P=200mm (7.88 inch) or less

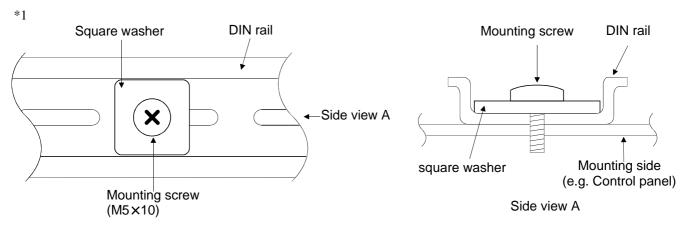


[Issue No.] T40-0004

[Title] Anti-vibration measures for Q series base unit

[Page] 4/6 [Date of Issue] Jun., '04

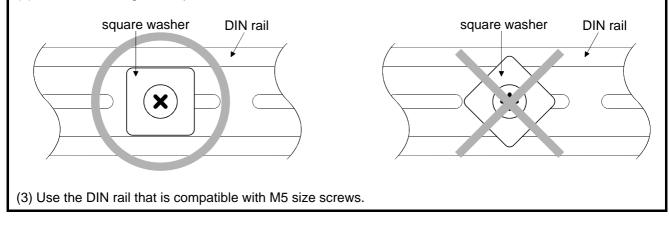
[Relevant Models] DIN rail mounting adaptors (Q6DIN1, Q6DIN2, Q6DIN3)



- *2: Screw the DIN rail to the control panel using the mounting screws and square washers included with the adaptors in 'Position A' (bottom of base unit)
- *3: Screw the DIN rail with mounting screws (obtained by user) in 'Position B' (where the base unit is not installed). In this method the supplied mounting screws and square washers are not used.

POINT

- (1) Use only one washer for each mounting screw. Use only the square washers supplied with the adaptors. If two or more washers are used together for one mounting screw, the screw may interfere with the base unit.
- (2) Make sure to align the square washer sides with the DIN rail.





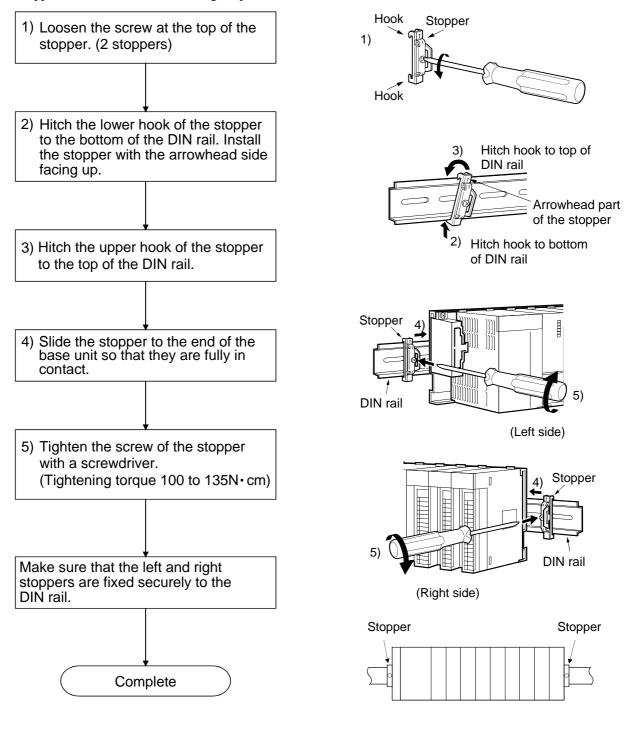
[Issue No.] T40-0004 [Title] Anti-vibration measures for Q series base unit

[Page] 5/6 [Date of Issue] Jun., '04

[Relevant Models] DIN rail mounting adaptors (Q6DIN1, Q6DIN2, Q6DIN3)

(4) Stopper mounting

When using the DIN rail in a large vibration and/or shock prone environment, install the base unit using the stoppers supplied with the DIN rail mounting adaptors.



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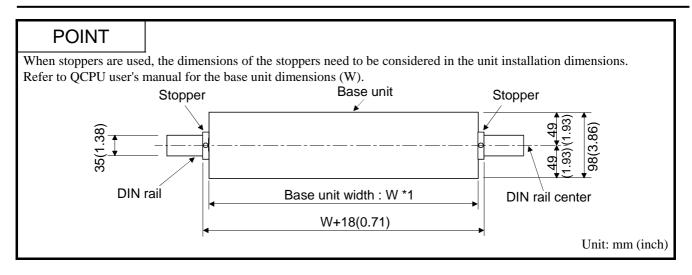
HEAD OFFICE : 1-8-12, OFFICE TOWER Z 14F HARUMI CHUO-KU 104-6212, JAPAN NAGOYA WORKS : 1-14, YADA-MINAMI 5-CHOME, HIGASHI-KU, NAGOYA, JAPAN

[Issue No.] T40-0004

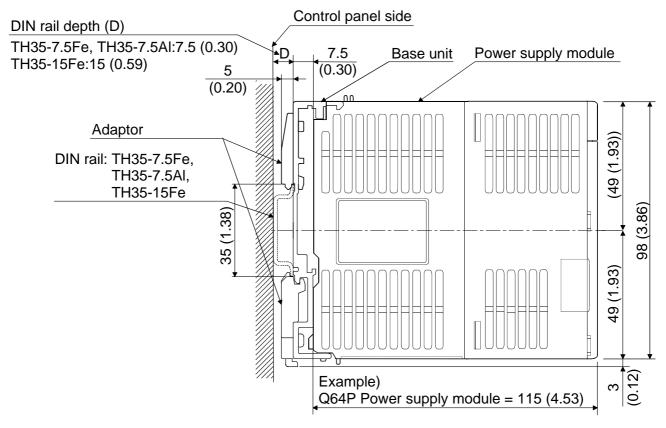
[Title] Anti-vibration measures for Q series base unit

[Page] 6/6 [Date of Issue] Jun., '04

[Relevant Models] DIN rail mounting adaptors (Q6DIN1, Q6DIN2, Q6DIN3)



(5) Dimensions when DIN rail is attached (side view)



Unit: mm (inch)

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