# MITSUBISHI ELECTRIC Control Equipment Sales and Service

YAMA-0513

# Notice of Change in Applicable Wire Sizes for UL/CSA Certification.

We would like to inform you about a change in the applicable wire sizes for UL/CSA certification for certain models of the Magnetic Contactors and Thermal Overload Relays that you are using. If you are using the affected wires, please check whether there are any impacts on your usage.

#### 1. Applicable models

- (1) S(D)-(2X)T21/T25/T32/T35/T50 (Magnetic Contactors)
- (2) SL(D)-(2X)T21/T35/T50UL (Mechanically Latched Magnetic Contactors)
- (3) TH-T25KP/T50KP (Thermal Overload Relays)

Note. Including special specification products to which "BC" etc. are added.

#### 2. Details of Change

Change the maximum size of solid wire under UL/CSA certification.

Accordingly, the printing on the product or unit packing box will change. (See Appendix 1)

		Applicable wire sizes			
Relevant models	Size of screw	Present	New		
			(The changes are indicated by _ )		
		Solid/Stranded	Solid	Stranded	
S(D)-(2X)T21 S-(2X)T25 S(D)-(2X)T32 (Note 1)	Main Circuit	14 - 8 AWG		14 – 8 AWG	
SL(D)-(2X)T21UL TH-T25KP	M4		14 – <u><b>10</b></u> AWG		
S(D)-(2X)T35/T50 SL(D)- (2X)T35UL/T50UL TH-T50KP	Main Circuit M5	14 - 6 AWG (Note 2)		14 – 6 AWG (Note 2)	

Note 1. When using 8 AWG with a three-phase AC200 to 208 V for S(D)-(2X)T32, use a copper wire with wire temperature rating of 75°C.

Note 2. When using 6 AWG, use a copper wire with wire temperature rating of 75°C.

#### 3. Reason for Modification

For the solid wire sizes of 8 AWG and larger are less distributable and difficult to maintenance and control of UL/CSA certification.

#### 4. Compatibility with Old Types

There will be no impact on the functionality or performance of the product due to this change.

#### 5. Identification

Appearance (Product or individual box marking)

#### 6. Effective Date

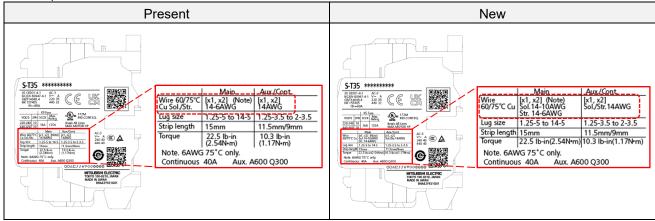
From Feb. 2026 production

- Note: The date may vary depending on the availability of the products.

Issue date: August, 2025	MITSUBISHI ELECTRIC CORPORATION
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### 1. Product printing (product right side)

## Example S-T35



# 2. Unit packing box printing

# Example SD-T35/T50

Present					New			
<ul> <li>Applicable and tighte</li> </ul>			9	<ul> <li>Applicable and tighte</li> </ul>			e	
Model		SD-T35 SD-T50		Model		SD-T35 SD-T50		
Terminal	Main	Auxiliary	Control	Terminal	Main	Auxiliary	Control	
Screw size	M5	M3.5	M3.5	Screw size	M5	M3.5	M3.5	
Wire strip length	15mm	11.5mm	9mm	Wire strip length	- 15mm	11.5mm	9mm	
Wire size (60/75°C) (copper only)(Sol./Str.)	14 - 6 AWG *2	14 AWG	14 AWG	Wire size (60/75°C) (copper only)	Sol. 14 - 10 AWG Str. 14 - 6 AWG	Sol./Str. 14 AWG	Sol./Str. 14 AWG	
Recommended Crimp Lug Size (JST Cat No.) *4	1.25-5 to 14-5	1.25-3.5 to 2-3.5	1.25-3.5 to 2-3.5	Recommended Crimp Lug Size (JST Cat No.)	*2 1.25-5 to 14-5		1.25-3.5 to 2-3.5	
Connection to terminal Max. qty.	2 Wires or 2 Lugs per terminal *3		Connection to terminal Max. qty.		2 Lugs per	terminal		
Tightening torque	22.5 lb-in (2.54N•m)	10.3 lb-in (1.17N·m)	10.3 lb-in (1.17N·m)	Tightening torque	22.5 lb-in (2.54N•m)	10.3 lb-in	*3 10.3 lb-in (1.17N-m)	

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