

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)

Relevant models	Size of screw	Applicable wire sizes		
		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 M4	14 - 8 AWG	14 – 10 AWG	14 – 8 AWG
SL(D)-(2X)T21UL TH-T25KP				
S(D)-(2X)T35/T50 SL(D)- (2X)T35UL/T50UL TH-T50KP	Main Circuit M5	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 FUKUYAMA WORKS, KANI FACTORY 3-5 HIMEGAOKA KANI CITY GIFU PREF. 509-0249 JAPAN
Title: Notice of Change in Applicable Wire Sizes for UL/CSA Certification.	

[Appendix 1] Examples of present and new printings

1. Product printing (product right side)

Example S-T35

Example 6-100

Present

S-T35 *****

IE C2001-4.1 AC-B
IEC603 03001-4.1 1~A
GB/T14048.4 220 25
EN 12406-1 240 40
10-60A

1.5E Amp. Break All Load
VOLT 120V 150V 175V
220-240 10 15A 175A
A600Q300

Wire 60/75°C Cu Sol./Str. 14-6AWG
Lug size 1.25-5 to 14-5 1.25-3.5 to 2-3.5
Strip length 15mm 11.5mm/9mm
Torque 22.5 lb-in (2.54N·m) 10.3 lb-in (1.17N·m)

Note: 6AWG 75°C only.
Continuous 40A Aux. A600 Q300

00A0727AT00000000

MITSUBISHI ELECTRIC
TOKYO 104-8175, JAPAN
MADE IN JAPAN
BHA427921001

	Main	Aux./Cont.
Wire 60/75°C Cu Sol./Str.	[x1, x2] (Note) 14-6AWG	[x1, x2] 14AWG
Lug size	1.25-5 to 14-5	1.25-3.5 to 2-3.5
Strip length	15mm	11.5mm/9mm
Torque	22.5 lb-in (2.54N·m)	10.3 lb-in (1.17N·m)

Note: 6AWG 75°C only.
Continuous 40A Aux. A600 Q300

New

S-T35 *****

IE C2001-4.1 AC-B
IEC603 03001-4.1 1~A
GB/T14048.4 220 25
EN 12406-1 240 40
10-60A

1.5E Amp. Break All Load
VOLT 120V 150V 175V
220-240 10 15A 175A
A600Q300

Wire 60/75°C Cu Sol./Str. 14-6AWG
Lug size 1.25-5 to 14-5 1.25-3.5 to 2-3.5
Strip length 15mm 11.5mm/9mm
Torque 22.5 lb-in (2.54N·m) 10.3 lb-in (1.17N·m)

Note: 6AWG 75°C only.
Continuous 40A Aux. A600 Q300

00A0727AT00000000

MITSUBISHI ELECTRIC
TOKYO 104-8175, JAPAN
MADE IN JAPAN
BHA427921001







	Main	Aux./Cont.
Wire 60/75°C Cu Sol./Str.	[x1, x2] (Note) Sol. 14-10AWG Str. 14-6AWG	[x1, x2] Sol./Str. 14AWG
Lug size	1.25-5 to 14-5	1.25-3.5 to 2-3.5
Strip length	15mm	11.5mm/9mm
Torque	22.5 lb-in (2.54N·m)	10.3 lb-in (1.17N·m)

Note: 6AWG 75°C only.
Continuous 40A Aux. A600 Q300

2. Unit packing box printing

Example SD-T35/T50

Example SD-T35/T50

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

Issue date: August, 2025

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

MITSUBISHI ELECTRIC CORPORATION
FUKUYAMA WORKS, KANI FACTORY
 3-5 HIMEGAOKA KANI CITY Gifu PREF. 509-0249 JAPAN