Discontinuation of the FR-E700 Series General-Purpose Inverters

Thank you for your continued patronage of Mitsubishi Electric drive control products, FA products, and power distribution control products.
In December 2019, we released the FR-E800 series inverters with compatibility as successors to the FR-E700 series inverters. Due to this, we are discontinuing the production of FR-E700 series inverters according to the following schedule.
We ask for your understanding in this matter.

1. Models to be Discontinued

- FR-E700 series (273 models in total)
- Related options (22 models in total)

2. Schedule

Production continues on orders received by the last day of October 2023.
Made-by-order production starts on April 1, 2023 in advance of the discontinuation.
Requests for repair service will be accepted by the last day of October 2030.

Note) Repairs are subject to the supply of service parts and may not be possible even within the repair service period.

3. Products Affected

(1) FR-E700 series

1) Three-phase 200 V

Model			
FR-E720-0.1K	FR-E720-0.1KSC	FR-E720-008-NA	FR-E720-008SC-NA
FR-E720-0.2K	FR-E720-0.2KSC	FR-E720-015-NA	FR-E720-015SC-NA
FR-E720-0.4K	FR-E720-0.4KSC	FR-E720-030-NA	FR-E720-030SC-NA
FR-E720-0.75K	FR-E720-0.75KSC	FR-E720-050-NA	FR-E720-050SC-NA
FR-E720-1.5K	FR-E720-1.5KSC	FR-E720-080-NA	FR-E720-080SC-NA
FR-E720-2.2K	FR-E720-2.2KSC	FR-E720-110-NA	FR-E720-110SC-NA
FR-E720-3.7K	FR-E720-3.7KSC	FR-E720-175-NA	FR-E720-175SC-NA
FR-E720-5.5K	FR-E720-5.5KSC	FR-E720-240-NA	FR-E720-240SC-NA
FR-E720-7.5K	FR-E720-7.5KSC	FR-E720-330-NA	FR-E720-330SC-NA
FR-E720-11K	FR-E720-11KSC	FR-E720-470-NA	FR-E720-470SC-NA
FR-E720-15K	FR-E720-15KSC	FR-E720-600-NA	FR-E720-600SC-NA
Model			
FR-E720-0.1K-NE	FR-E720-008SC-NNE	FR-E720-0.1KSC-TM	FR-E720-0.1K-EA
FR-E720-0.2K-NE	FR-E720-015SC-NNE	FR-E720-0.2KSC-TM	FR-E720-0.2K-EA
FR-E720-0.4K-NE	FR-E720-030SC-NNE	FR-E720-0.4KSC-TM	FR-E720-0.4K-EA
FR-E720-0.75K-NE	FR-E720-050SC-NNE	FR-E720-0.75KSC-TM	FR-E720-0.75K-EA
FR-E720-1.5K-NE	FR-E720-080SC-NNE	FR-E720-1.5KSC-TM	FR-E720-1.5K-EA
FR-E720-2.2K-NE	FR-E720-110SC-NNE	FR-E720-2.2KSC-TM	FR-E720-2.2K-EA
FR-E720-3.7K-NE	FR-E720-175SC-NNE	FR-E720-3.7KSC-TM	FR-E720-3.7K-EA
FR-E720-5.5K-NE	FR-E720-240SC-NNE	FR-E720-5.5KSC-TM	FR-E720-5.5K-EA
FR-E720-7.5K-NE	FR-E720-330SC-NNE	FR-E720-7.5KSC-TM	FR-E720-7.5K-EA
FR-E720-11K-NE	FR-E720-470SC-NNE	FR-E720-11KSC-TM	FR-E720-11K-EA
FR-E720-15K-NE	FR-E720-600SC-NNE	FR-E720-15KSC-TM	FR-E720-15K-EA

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2) Three-phase 400 V

Model			
FR-E740-0.4K	FR-E740-0.4KSC	FR-E740-016-NA	FR-E740-016SC-NA
FR-E740-0.75K	FR-E740-0.75KSC	FR-E740-026-NA	FR-E740-026SC-NA
FR-E740-1.5K	FR-E740-1.5KSC	FR-E740-040-NA	FR-E740-040SC-NA
FR-E740-2.2K	FR-E740-2.2KSC	FR-E740-060-NA	FR-E740-060SC-NA
FR-E740-3.7K	FR-E740-3.7KSC	FR-E740-095-NA	FR-E740-095SC-NA
FR-E740-5.5K	FR-E740-5.5KSC	FR-E740-120-NA	FR-E740-120SC-NA
FR-E740-7.5K	FR-E740-7.5KSC	FR-E740-170-NA	FR-E740-170SC-NA
FR-E740-11K	FR-E740-11KSC	FR-E740-230-NA	FR-E740-230SC-NA
FR-E740-15K	FR-E740-15KSC	FR-E740-300-NA	FR-E740-300SC-NA
Model			
FR-E740-016-EC	FR-E740-016SC-EC	FR-E740-0.4K-CHT	-
FR-E740-026-EC	FR-E740-026SC-EC	FR-E740-0.75K-CHT	-
FR-E740-040-EC	FR-E740-040SC-EC	FR-E740-1.5K-CHT	-
FR-E740-060-EC	FR-E740-060SC-EC	FR-E740-2.2K-CHT	-
FR-E740-095-EC	FR-E740-095SC-EC	FR-E740-3.7K-CHT	-
FR-E740-120-EC	FR-E740-120SC-EC	FR-E740-5.5K-CHT	-
FR-E740-170-EC	FR-E740-170SC-EC	FR-E740-7.5K-CHT	-
FR-E740-230-EC	FR-E740-230SC-EC	FR-E740-11K-CHT	-
FR-E740-300-EC	FR-E740-300SC-EC	FR-E740-15K-CHT	-
Model			
FR-E740-0.4K-NE	FR-E740-016SC-NNE	FR-E740-016SC-ENE	FR-E740-0.4K-CNE
FR-E740-0.75K-NE	FR-E740-026SC-NNE	FR-E740-026SC-ENE	FR-E740-0.75K-CNE
FR-E740-1.5K-NE	FR-E740-040SC-NNE	FR-E740-040SC-ENE	FR-E740-1.5K-CNE
FR-E740-2.2K-NE	FR-E740-060SC-NNE	FR-E740-060SC-ENE	FR-E740-2.2K-CNE
FR-E740-3.7K-NE	FR-E740-095SC-NNE	FR-E740-095SC-ENE	FR-E740-3.7K-CNE
FR-E740-5.5K-NE	FR-E740-120SC-NNE	FR-E740-120SC-ENE	FR-E740-5.5K-CNE
FR-E740-7.5K-NE	FR-E740-170SC-NNE	FR-E740-170SC-ENE	FR-E740-7.5K-CNE
FR-E740-11K-NE	FR-E740-230SC-NNE	FR-E740-230SC-ENE	FR-E740-11K-CNE
FR-E740-15K-NE	FR-E740-300SC-NNE	FR-E740-300SC-ENE	FR-E740-15K-CNE
Model			
FR-E740-0.4KSC-TM	FR-E740-0.4K-EA	-	-
FR-E740-0.75KSC-TM	FR-E740-0.75K-EA	-	-
FR-E740-1.5KSC-TM	FR-E740-1.5K-EA	-	-
FR-E740-2.2KSC-TM	FR-E740-2.2K-EA	-	-
FR-E740-3.7KSC-TM	FR-E740-3.7K-EA	-	-
FR-E740-5.5KSC-TM	FR-E740-5.5K-EA	-	-
FR-E740-7.5KSC-TM	FR-E740-7.5K-EA	-	-
FR-E740-11KSC-TM	FR-E740-11K-EA	-	-
FR-E740-15KSC-TM	FR-E740-15K-EA	-	-

3) Single-phase 200 V

Model			
FR-E720S-0.1K	FR-E720S-0.1KSC	FR-E720S-008-NA	FR-E720S-008-EC
FR-E720S-0.2K	FR-E720S-0.2KSC	FR-E720S-015-NA	FR-E720S-015-EC
FR-E720S-0.4K	FR-E720S-0.4KSC	FR-E720S-030-NA	FR-E720S-030-EC
FR-E720S-0.75K	FR-E720S-0.75KSC	FR-E720S-050-NA	FR-E720S-050-EC
FR-E720S-1.5K	FR-E720S-1.5KSC	FR-E720S-080-NA	FR-E720S-080-EC
FR-E720S-2.2K	FR-E720S-2.2KSC	FR-E720S-110-NA	FR-E720S-110-EC
Model			
FR-E720S-008SC-EC	FR-E720S-0.1K-CHT	FR-E720S-0.1K-NE	-
FR-E720S-015SC-EC	FR-E720S-0.2K-CHT	FR-E720S-0.2K-NE	-
FR-E720S-030SC-EC	FR-E720S-0.4K-CHT	FR-E720S-0.4K-NE	-
FR-E720S-050SC-EC	FR-E720S-0.75K-CHT	FR-E720S-0.75K-NE	-
FR-E720S-080SC-EC	FR-E720S-1.5K-CHT	FR-E720S-1.5K-NE	-
FR-E720S-110SC-EC	FR-E720S-2.2K-CHT	FR-E720S-2.2K-NE	-

Model			
FR-E720S-008SC-ENE	FR-E720S-0.1K-CNE	FR-E720S-0.1K-EA	-
FR-E720S-015SC-ENE	FR-E720S-0.2K-CNE	FR-E720S-0.2K-EA	-
FR-E720S-030SC-ENE	FR-E720S-0.4K-CNE	FR-E720S-0.4K-EA	-
FR-E720S-050SC-ENE	FR-E720S-0.75K-CNE	FR-E720S-0.75K-EA	-
FR-E720S-080SC-ENE	FR-E720S-1.5K-CNE	FR-E720S-1.5K-EA	-
FR-E720S-110SC-ENE	FR-E720S-2.2K-CNE	FR-E720S-2.2K-EA	-

4) Single-phase 100 V

Model			
FR-E710W-0.1K	FR-E710W-008-NA	-	-
FR-E710W-0.2K	FR-E710W-015-NA	-	-
FR-E710W-0.4K	FR-E710W-030-NA	-	-
FR-E710W-0.75K	FR-E710W-050-NA	-	-

(2) Related options

Model	
Plug-in option (enhanced control function, extension input/output)	FR-A7AX E kit
	FR-A7AY E kit
	FR-A7AR E kit
Plug-in option E kit cover (enhanced control function, extension input/output)	FR-A7AX E kit cover
	FR-A7AY E kit cover
	FR-A7AR E kit cover
	FR-A7A E kit cover SC
Plug-in option (for communication)	FR-A7ND E kit
	FR-A7NP E kit
	FR-A7NL E kit
Plug-in option E kit cover(for communication)	FR-A7NC E kit cover
	FR-A7ND E kit cover
	FR-A7NP E kit cover
	FR-A7NL E kit cover
	FR-A7NC E kit cover SC
	FR-A7ND E kit cover SC
	FR-A7NP E kit cover SC
	FR-A7NL E kit cover SC
FR-E700 series totally-enclosed structure attachment	FR-E7CV01
	FR-E7CV02
	FR-E7CV03
	FR-E7CV04

4. Successor Models

Classification	Voltage class	Discontinued model (FR-E700)	Successor model (FR-E800)
Standard control circuit terminal model	Three-phase 200 V	FR-E720-□K	FR-E820-□K-1
	Three-phase 400 V	FR-E740-□K	FR-E840-□K-1
	Single-phase 200 V	FR-E720S-□K	FR-E820S-□K-1
	Single-phase 100 V	FR-E710W-□K	FR-E810W-□K-1
	Three-phase 200 V	FR-E720-□□□-NA	FR-E820-□□□□-5-60
	Three-phase 400 V	FR-E740-□□□-NA	FR-E840-□□□□-5-60
	Single-phase 200 V	FR-E720S-□□□-NA	FR-E820S-□□□□-5-60
	Single-phase 100 V	FR-E710W-□□□-NA	FR-E810W-□□□□-5-60
	Three-phase 400 V	FR-E740-□□□-EC	FR-E840-□□□□-4-60
	Single-phase 200 V	FR-E720S-□□□-EC	FR-E820S-□□□□-4-60
	Three-phase 400 V	FR-E740-□K-CHT	FR-E840-□□□□-4-60
	Single-phase 200 V	FR-E720S-□K-CHT	FR-E820S-□□□□-4-60
	Three-phase 200 V	FR-E720-□K-EA	FR-E820-□□□□-5-60
	Three-phase 400 V	FR-E740-□K-EA	FR-E840-□□□□-5-60
	Single-phase 200 V	FR-E720S-□K-EA	FR-E820S-□□□□-5-60
Safety stop function model	Three-phase 200 V	FR-E720-□KSC	FR-E820-□K-1
	Three-phase 400 V	FR-E740-□KSC	FR-E840-□K-1
	Single-phase 200 V	FR-E720S-□KSC	FR-E820S-□K-1
	Single-phase 100 V	FR-E710W-□KSC	FR-E810W-□K-1
	Three-phase 200 V	FR-E720-□□□SC-NA	FR-E820-□□□□-5-60
	Three-phase 400 V	FR-E740-□□□SC-NA	FR-E840-□□□□-5-60
	Three-phase 400 V	FR-E740-□□□SC-EC	FR-E840-□□□□-4-60
	Single-phase 200 V	FR-E720S-□□□SC-EC	FR-E820S-□□□□-4-60
Ethernet communication function model	Three-phase 200 V	FR-E720-□K-NE	FR-E820-□KEPA
	Three-phase 400 V	FR-E740-□K-NE	FR-E840-□KEPA
	Single-phase 200 V	FR-E720S-□K-NE	FR-E820S-□KEPA
	Three-phase 200 V	FR-E720-□□□SC-NNE	FR-E820-□KEPA
	Three-phase 400 V	FR-E740-□□□SC-NNE	FR-E840-□KEPA
	Three-phase 400 V	FR-E740-□□□SC-ENE	FR-E840-□KEPB
	Single-phase 200 V	FR-E720S-□□□SC-ENE	FR-E820S-□KEPB
	Three-phase 400 V	FR-E740-□K-CNE	FR-E840-□KEPB
	Single-phase 200 V	FR-E720S-□K-CNE	FR-E820S-□KEPB
Dedicated EtherCAT communication model	Three-phase 200 V	FR-E720-□KSC-TM	FR-E820-□KEPC
	Three-phase 400 V	FR-E740-□KSC-TM	FR-E840-□KEPC

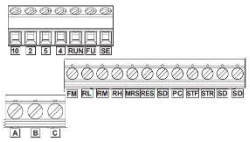
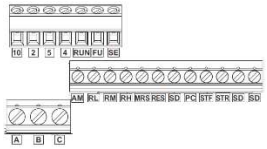
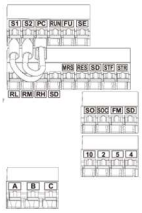
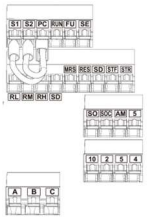
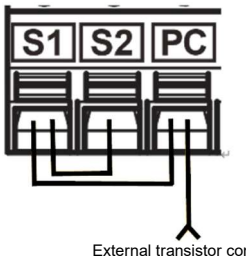
For precautions for replacement, refer to "5. Precautions for Replacement".

5. Precautions for Replacement

(1) For all models

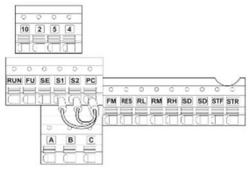
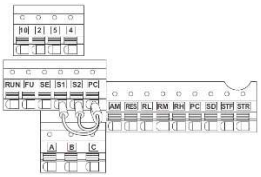
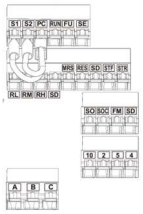
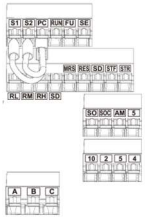
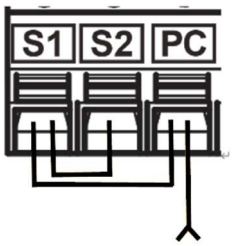
Item	FR-E700	FR-E800	Supplemental information
Torque boost (Pr.0)	Available	Available	Depending on the operating conditions and load conditions, overload may occur at start even when the torque boost value is the same as that set in FR-E700. Adjust the torque boost value.
Speed display (Pr.37)	Pr.37 is used to change the display to the frequency / machine speed. The Pr.37 setting value is used for machine speed conversion formula.	Pr.53 is used to change the display to the frequency / machine speed. The Pr.37 setting value is used only for machine speed conversion formula.	-
Applied motor (Pr.71)	SF-JRCA (thermal: constant-torque) setting value: "1"	SF-JRCA (thermal: constant-torque) setting value: "10"	-
Offline auto tuning (Pr.96) (V/F control (frequency search for the automatic restart after instantaneous power failure))	Setting Pr.96 = "21" enables offline auto tuning for V/F control.	Setting Pr.96 = "11" enables offline auto tuning for V/F control.	-
General-purpose magnetic flux vector control (Pr.800)	Available	Not available	Adjusting slip compensation under Advanced magnetic flux vector control can adjust the motor speed fluctuation when the load torque is applied as is the case under General-purpose magnetic flux vector control.
S-PM geared motor	Available	Not available	To drive an S-PM geared motor, use the FR-E700-EX or FR-D700-G inverter.
FR-PA02	Available	Not available	FR-PA07 is available. Use the setting dial as a potentiometer by setting Pr.161 Frequency setting/key lock operation selection = "1" (setting dial potentiometer).
Terminal response	8.3 ms on average	6.9 ms on average	Adjust the setting of Pr.699 Input terminal filter as required.
Earthing (grounding) of the communication option	When terminal FG is not used for earthing (grounding), separate earthing (grounding) is available (the programmable controller and the inverter are earthed (grounded) separately).	Terminal FG is not provided. As the installed option structurally uses the inverter earth (ground) terminal, separate earthing (grounding) is unavailable.	However, separate earthing (grounding) is available when the SLD (drain) wire with shield stripped is not connected to the one-touch CC-Link communication connector plug and instead the SLD (shielded) wire is connected near the connector.
LONWORKS communication	Available	Not available	-

(2) Standard control circuit terminal model

<table>
<tr><th>Item</th><th>FR-E700 standard control circuit terminal model
(FR-E700-[]K,
FR-E700-[][][]-NA,
FR-E700-[][][]-EC,
FR-E700-[]K-CHT,
FR-E700-[]K-EA)</th><th>FR-E800 standard model
(FR-E800-[]K-1,
FR-E800-[][][][]-4-60,
FR-E800-[][][][]-5-60)</th><th>Supplemental information</th></tr>
<tr><td>Outline dimension</td><td colspan="2">The outline dimension is compatible. The product width and height are different between the FR-E800 and FR-E700 inverters for some capacity models.
<table>
<tr><th>Voltage/capacity</th><th>Width (mm)</th><th>Height (mm)</th></tr>
<tr><td>3-phase 200 V, 3.7K</td><td>170 → 140</td><td>-</td></tr>
<tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>140 → 110</td><td>-</td></tr>
<tr><td>1-phase 200 V, 2.2K</td><td>-</td><td>150 → 128</td></tr>
</table></td><td>-</td></tr>
<tr><td>Installation size</td><td colspan="2">The installation size is compatible. As some capacity models of the FR-E800 inverters are downsized, their installation size are different from the FR-E700 inverters.
Intercompatibility attachment is available.
<table>
<tr><th>Voltage/capacity</th><th>Changed installation size (mm)</th><th>Intercompatibility attachment</th></tr>
<tr><td>3-phase 200 V, 3.7K</td><td>Width: 158 → 128</td><td>FR-E8AT03</td></tr>
<tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>Width: 128 → 96</td><td>FR-E7AT02</td></tr>
<tr><td>1-phase 200 V, 2.2K</td><td>Height: 138 → 118</td><td>FR-E8AT04</td></tr>
</table></td><td>-</td></tr>
<tr><td>Control circuit terminals</td><td>Screw type terminal type
・FR-E700-[]K (FM type)
 
・FR-E700-[][][]-NA (AM type)
・FR-E700-[][][]-EC (AM type)
・FR-E700-[]K-CHT (AM type)
・FR-E700-[]K-EA (AM type)
  </td><td>Spring clamp terminal type
・FR-E800-[]K-1 (FM type)
 
・FR-E800-[][][][]-4-60 (AM type)
・FR-E800-[][][][]-5-60 (AM type)
  </td><td>For the FR-E800 series, terminal PC is not available as jumpers are connected to the terminal.
Remove the jumpers, then connect two cables to terminal PC using a crimp terminal for two cables as shown in the following figure.
 

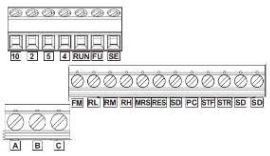
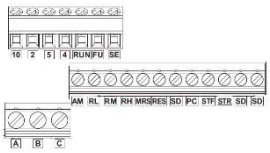
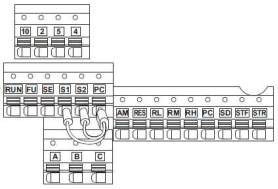
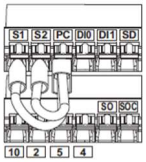
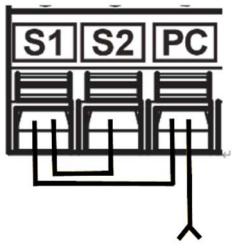
External transistor common
When a screw type terminal type is replaced, the recommended crimp terminal differs.</td></tr>
</table>

(3) Safety stop function model

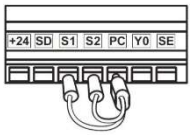
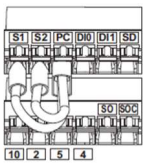
<table>
<tr><th>Item</th><th>FR-E700 safety stop function model
(FR-E700-□KSC,
FR-E700-□□□SC-NA,
FR-E700-□□□SC-EC)</th><th>FR-E800 standard model
(FR-E800-□K-1,
FR-E800-□□□□-4-60,
FR-E800-□□□□-5-60)</th><th>Supplemental information</th></tr>
<tr><td>Outline dimension</td><td colspan="2">The outline dimension is compatible. The product width and height are different between the FR-E800 and FR-E700 inverters for some capacity models.
<table>
<tr><th>Voltage/capacity</th><th>Width (mm)</th><th>Height (mm)</th></tr>
<tr><td>3-phase 200 V, 3.7K</td><td>170 → 140</td><td>-</td></tr>
<tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>140 → 110</td><td>-</td></tr>
<tr><td>1-phase 200 V, 2.2K</td><td>-</td><td>150 → 128</td></tr>
</table></td><td>-</td></tr>
<tr><td>Installation size</td><td colspan="2">The installation size is compatible. As some capacity models of the FR-E800 inverters are downsized, their installation size are different from the FR-E700 inverters.
Intercompatibility attachment is available.
<table>
<tr><th>Voltage/capacity</th><th>Changed installation size (mm)</th><th>Intercompatibility attachment</th></tr>
<tr><td>3-phase 200 V, 3.7K</td><td>Width: 158 → 128</td><td>FR-E8AT03</td></tr>
<tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>Width: 128 → 96</td><td>FR-E7AT02</td></tr>
<tr><td>1-phase 200 V, 2.2K</td><td>Height: 138 → 118</td><td>FR-E8AT04</td></tr>
</table></td><td>-</td></tr>
<tr><td>Control circuit terminals</td><td>Spring clamp terminal type
・FR-E700-□KSC (FM type)
 
・FR-E700-□□□SC-NA (AM type)
・FR-E700-□□□SC-EC (AM type)
  </td><td>Spring clamp terminal type
・FR-E800-□K-1 (FM type)
 
・FR-E800-□□□□-5-60 (AM type)
・FR-E800-□□□□-4-60 (AM type)
  </td><td>For the FR-E800 series, terminal PC is not available as jumpers are connected to the terminal.
Remove the jumpers, then connect two cables to terminal PC using a crimp terminal for two cables as shown in the following figure.
 

External transistor common</td></tr>
</table>

(4) Ethernet communication function model

<table>
<tr><th>Item</th><th>FR-E700 Ethernet communication function model
(FR-E700-[]K-NE,
FR-E700-[][][]SC-NNE,
FR-E700-[][][]SC-ENE,
FR-E700-[]K-CNE)</th><th>FR-E800 Ethernet model
(FR-E800-[]KEPA,
FR-E800-[]KEPB)</th><th>Supplemental information</th></tr>
<tr><td>Outline dimension</td><td>The outline dimension is compatible. The product width and height are different between the FR-E800 and FR-E700 inverters for some capacity models.
<table>
<tr><th>Voltage/capacity</th><th>Width (mm)</th><th>Height (mm)</th></tr>
<tr><td>3-phase 200 V, 3.7K</td><td>170 → 140</td><td>-</td></tr>
<tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>140 → 108</td><td>-</td></tr>
<tr><td>1-phase 200 V, 2.2K</td><td>-</td><td>150 → 128</td></tr>
</table></td><td></td><td>-</td></tr>
<tr><td>Installation size</td><td>The installation size is compatible. As some capacity models of the FR-E800 inverters are downsized, their installation size are different from the FR-E700 inverters.
Intercompatibility attachment is available.
<table>
<tr><th>Voltage/capacity</th><th>Changed installation size (mm)</th><th>Intercompatibility attachment</th></tr>
<tr><td>3-phase 200 V, 3.7K</td><td>Width: 158 → 128</td><td>FR-E8AT03</td></tr>
<tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>Width: 128 → 96</td><td>FR-E7AT02</td></tr>
<tr><td>1-phase 200 V, 2.2K</td><td>Height: 138 → 118</td><td>FR-E8AT04</td></tr>
</table></td><td></td><td>-</td></tr>
<tr><td>Control circuit terminals</td><td>Screw type terminal type
・FR-E700-[]K-NE
 
・FR-E700-[]K-CNE
 
Spring clamp terminal type
・FR-E700-[][][]SC-NNE
・FR-E700-[][][]SC-ENE
  </td><td>Spring clamp terminal type
 
  </td><td>For the FR-E800 series, terminal PC is not available as jumpers are connected to the terminal. Remove the jumpers, then connect two cables to terminal PC using a crimp terminal for two cables as shown in the following figure.
 
External transistor common
When a screw type terminal type is replaced, the recommended crimp terminal differs.</td></tr>
<tr><td>Terminals FM and AM</td><td>FR-E700-[]K-NE: Terminal FM only.
FR-E700-[]K-CNE: Terminal AM only.
FR-E700-[][][]SC-NNE: Terminal AM only.
FR-E700-[][][]SC-ENE: Terminal AM only.</td><td>Not available</td><td>-</td></tr>
<tr><td>FR-PU07 and FR-PA07</td><td>Available</td><td>Not available (Available in standard models)</td><td>-</td></tr>
</table>

(5) Dedicated EtherCAT communication model

<table>
<tr><th>Item</th><th>FR-E700 Dedicated EtherCAT communication model (FR-E700-[]KSC-TM)</th><th>FR-E800 Ethernet model (FR-E800-[]KEPC)</th><th>Supplemental information</th></tr>
<tr><td>Outline dimension</td><td colspan="2">The outline dimension is compatible. The product width and height are different between the FR-E800 and FR-E700 inverters for some capacity models.
<table><tr><th>Voltage/capacity</th><th>Width (mm)</th><th>Height (mm)</th></tr><tr><td>3-phase 200 V, 3.7K</td><td>170 → 140</td><td>-</td></tr><tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>140 → 108</td><td>-</td></tr></table></td><td>-</td></tr>
<tr><td>Installation size</td><td colspan="2">The installation size is compatible. As some capacity models of the FR-E800 inverters are downsized, their installation size are different from the FR-E700 inverters.
Intercompatibility attachment is available.
<table><tr><th>Voltage/capacity</th><th>Changed installation size (mm)</th><th>Intercompatibility attachment</th></tr><tr><td>3-phase 200 V, 3.7K</td><td>Width: 158 → 128</td><td>FR-E8AT03</td></tr><tr><td>3-phase 400 V, 0.4K to 1.5K</td><td>Width: 128 → 96</td><td>FR-E7AT02</td></tr></table></td><td>-</td></tr>
<tr><td>Control circuit terminals</td><td>Spring clamp terminal type
  </td><td>Spring clamp terminal type
 
  </td><td>For the FR-E800 series, terminal PC is not available as jumpers are connected to the terminal. Remove the jumpers, then connect two cables to terminal PC using a crimp terminal for two cables as shown in the following figure.
 
External transistor common</td></tr>
</table>