

Installation Instructions

Insulation Foil 30-75 kW

VLT[®] AutomationDrive FC 360

The instructions provide information about the replacement of the insulation RFI foil (enclosure types J6 and J7) and the insulation inrush foil (enclosure type J7) in the VLT[®] AutomationDrive FC 360.

Only Danfoss-authorized, qualified personnel is allowed to repair this equipment. The personnel must be familiar with the instructions and safety measures described in the *VLT[®] AutomationDrive FC 360 Service Manual*.

1.1.1 Items Supplied

Items supplied depend on ordered code number and enclosure type of the frequency converter.

Code number	Items supplied
132B0302	<ul style="list-style-type: none"> Insulation RFI foil, enclosure type J6
132B0321	<ul style="list-style-type: none"> Insulation RFI foil, enclosure type J7
132B0322	<ul style="list-style-type: none"> Insulation inrush foil, enclosure type J7

1.1.2 Tools Required

- Screwdrivers:
 - Flat-edged
 - T10
 - T20
 - T25
 - T30
- N8 socket wrench
- N10 socket wrench
- N5 Allen key

1.1.3 Safety Instructions

⚠ WARNING

DISCHARGE TIME

The frequency converter contains DC-link capacitors, which can remain charged even when the frequency converter is not powered. Failure to wait the specified time after power has been removed before performing service or repair work, could result in death or serious injury.

- Stop the motor.
- Disconnect AC mains, permanent magnet type motors, and remote DC-link power supplies, including battery back-ups, UPS, and DC-link connections to other frequency converters.
- Wait for the capacitors to discharge fully, before performing any service or repair work. The duration of waiting time is specified in *Table 1.1*.

Voltage [V]	Minimum waiting time (minutes)	
	4	15
380-480	0.37-7.5 kW	11-75 kW
High voltage may be present even when the warning LEDs are off!		

Table 1.1 Discharge Time

1.1.4 Installation

Replacing Insulation RFI Foil for J6 and J7

- Follow the instructions in *FC 360 Service Manual* to remove RFI auxiliary card.
- Replace the damaged insulation RFI foil underneath the RFI auxiliary card
- Reinstall other unmounted components in reverse order.

Replacing Insulation Inrush Foil for J7

- Follow the instructions in *FC 360 Service Manual* to remove the terminal assembly (step 13 in the "Power Card Replacement (J7)" section).
- Replace the insulation inrush foil on top of the power card.
- Reinstall other unmounted components in reverse order.

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