

Installation Instructions

IP21/Type 1 Conversion Kit Enclosure Sizes J6 & J7 VLT® AutomationDrive FC 360

The instructions provide information about installing the IP21/ Type 1 conversion kit in VLT® AutomationDrive FC 360, enclosure sizes J6 and J7.

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 Guide.

Items Supplied

- IP21 top cover
- NEMA conduit box
- NEMA base cover
- Screws and washers, M4x7 (8 pieces)

Description	Ordering number	
IP21/Type 1 Conversion Kit, J6	132B0376	
IP21/Type 1 Conversion Kit, J7	132B0377	

Table 1.1 Ordering Numbers

Tools Required

T20 screwdriver

Safety Instructions

AWARNING

DISCHARGE TIME

The frequency converter contains DC-link capacitors, which can remain charged even when the frequency converter is not powered. High voltage can be present even when the warning LED indicator lights are off. Failure to wait the specified time after power has been removed before performing service or repair work can result in death or serious injury.

- Stop the motor.
- Disconnect AC mains and remote DC-link supplies, including battery back-ups, UPS, and DC-link connections to other frequency converters.
- Disconnect or lock PM motor.
- Wait for the capacitors to discharge fully. The minimum waiting time is specified in *Table 1.2*.
- Before performing any service or repair work, use an appropriate voltage measuring device to make sure that the capacitors are fully discharged.

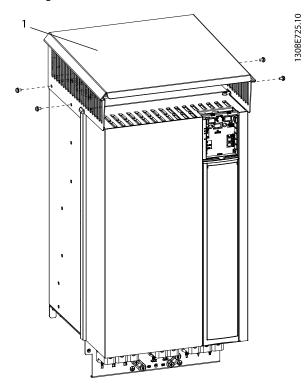
Voltage [V]	J -	Minimum waiting time (minutes)
380-480	30-75 (45-100)	15

Table 1.2 Discharge Time



Installation

- 1. Mount the top cover on the top of the frequency converter.
- 2. Fasten with 4 screws, 2 screws on each side.
- 3. Tighten the screws to 1.5 Nm (13.3 in-lb).



1 Top cover

Illustration 1.1 Mounting the Top Cover

- 4. Mount the conduit box on the bottom of the frequency converter.
- 5. Fasten with 2 screws, 1 screw on each side.
- 6. Tighten the screws to 1.5 Nm (13.3 in-lb).

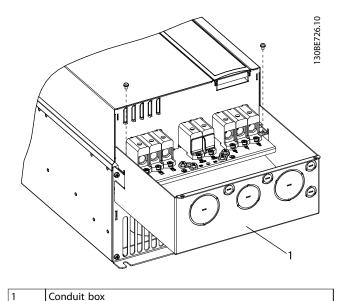
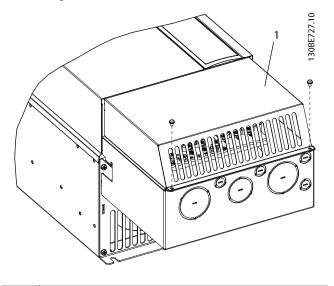


Illustration 1.2 Mounting the Conduit Box

- 7. Mount the conduit cover on the bottom of the frequency converter.
- 8. Fasten with 2 screws, 1 screw on each side.
- 9. Tighten the screws to 1.5 Nm (13.3 in-lb).



1 Conduit cover

Illustration 1.3 Mounting the Conduit Cover

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