Installation Guide

Cable Clamp Replacement

VLT® Sine-wave Filter MCC 101

1 Introduction

1.1 Filters Affected

⚠ DANGER ⚠

FATAL ELECTRICAL SHOCK

Insulated cable clamps have been supplied with the filter. If the shield is NOT connected in both filter- and motor end, the shield of the motor cable is floating and will become live. Under these circumstances, there is a risk of getting a potentially fatal electrical shock when touching the shield of the motor cable.

- Exchange the insulated cable clamp with a non-insulated cable clamp.

The filters that must be used with non-insulated cable clamps are the following:

- 130B2281 MCC101A48KT3E00A
- 130B2282 MCC101A62KT3E00A
- 130B2283 MCC101A75KT3E00A
- 130B2307 MCC101A48KT3E20A
- 130B2308 MCC101A62KT3E20A
- 130B2309 MCC101A48KT3E20A

⚠ WARNING ⚠

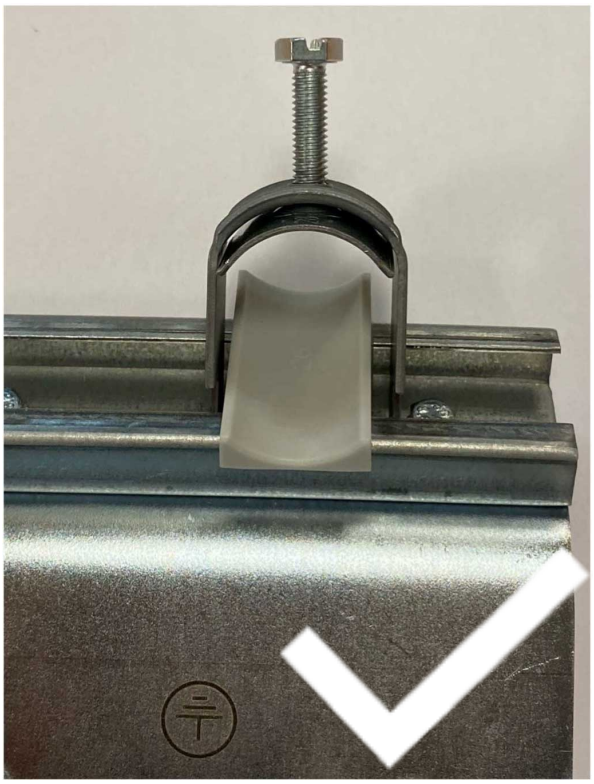
DISCHARGE TIME

The drive contains DC-link capacitors, which can remain charged even when the drive is not powered. High voltage can be present even when the warning indicator lights are off.

Failure to wait the specified time after power has been removed before performing service or repair work could result in death or serious injury.

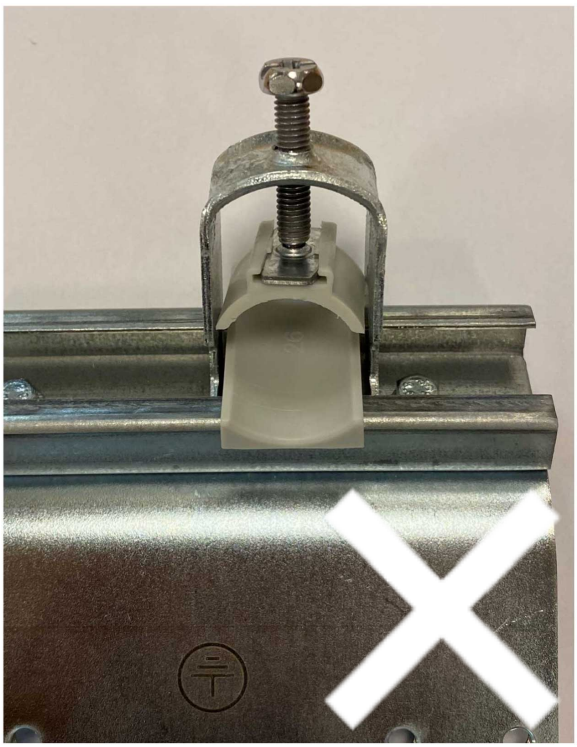
- Stop the motor.
- Disconnect AC mains, permanent magnet type motors, and remote DC-link supplies, including battery back-ups, UPS, and DC-link connections to other drives.
- Wait for the capacitors to discharge fully before performing any service or repair work. The discharge time is specified on the drive nameplate.
- Use a measuring device to make sure that there is no voltage before opening the drive or performing any work on the cables.

1.2 Replacing the Cable Clamp



e30bk441.10

Illustration 1: Non-insulated Cable Clamp



e30bk442.10

Illustration 2: Insulated Cable Clamp

Procedure

1. Loosen the cable clamp screw completely.
2. Tilt the cable clamp to detach it from the C-rail.

   Depending on the thickness of the cable, it may have to be removed. The plastic part on the C-rail can be kept.
3. Install the non-insulated cable clamp in the opposite order.

Danfoss A/S
Ulsnaes 1
DK-6300 Graasten
vlt-drives.danfoss.com

Danfoss can accept no responsibility for possible errors in catalogs, brochures, and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.