

NEMA 1 Conversion Kit

iC2-Micro Frequency Converters

1 Overview

1.1 Description

This installation guide explains how to install the NEMA 1 conversion kit for iC2-Micro Frequency Converters.

1.2 Kit Numbers

Use these instructions with the following kits.

Table 1: Kit Numbers for NEMA 1 Conversion Kits

Kit number	Kit description
132G0195	NEMA 1 conversion kit, MA01c
132G0196	NEMA 1 conversion kit, MA02c
132G0197	NEMA 1 conversion kit, MA01a
132G0198	NEMA 1 conversion kit, MA02a
132G0199	NEMA 1 conversion kit, MA03a
132G0200	NEMA 1 conversion kit, MA04a
132G0201	NEMA 1 conversion kit, MA05a

1.3 Items Supplied

The following parts are contained in the kit.

Table 2: Items Supplied in NEMA 1 Conversion Kits

Item	Quantity
Metal plate	1
Bottom cover	1
U-terminal (for MA01c/MA02c/MA01a/MA02a/MA03a)	2–3 (depends on enclosure size)
Terminal strap (MA04a/MA05a)	2
M4x10 screw	3–6 (depends on enclosure size)

1.4 Safety Information

Only qualified personnel are allowed to install the NEMA 1 conversion kit described in this installation guide.

For important information about safety precautions for installation, refer to the drive's operating guide.

⚠ 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.

- Stop the motor, and disconnect AC mains, permanent magnet type motors, and remove DC-link supplies, including battery back-ups, UPS, and DC-link connections to other drives.
- Wait for the capacitors to discharge fully and measure it before performing any service or repair work.
- The minimum waiting time is 4 minutes for MA01-02c and MA01-03a drives, and 15 minutes for MA04-05a drives.

2 Installation

2.1 Mounting the NEMA 1 Conversion Kit

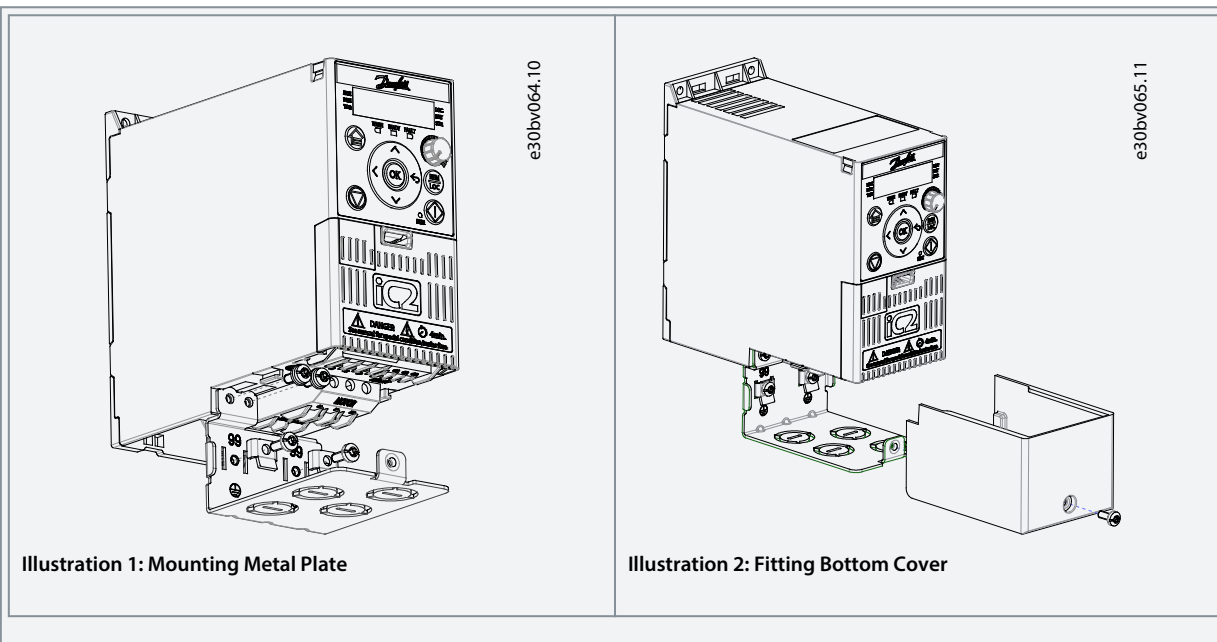
Procedure

1. Mount U-terminals for MA01c/MA02c/MA01a/MA02a/MA03a or terminal straps for MA04a/MA05a on the metal plate and tighten screws, see [Illustration 1](#). Maximum tightening torque: 2 Nm (17.7 in-lb).
2. Mount metal plate on the drive and tighten screws, see [Illustration 1](#). Maximum tightening torque: 2 Nm (17.7 in-lb).

Conduit sizes:

- MA01c: 4 x 1/2"
- MA02c: 5 x 1/2"
- MA01a: 4 x 1/2"
- MA02a: 4 x 1/2" and 1 x 3/4"
- MA03a: 2 x 1/2" and 3 x 3/4"
- MA04a/MA05a: 3 x 1/2" and 3 x 1"

3. Fit bottom cover on the drive and tighten screw, see [Illustration 2](#). Maximum tightening torque: 1.5 Nm (13.3 in-lb).



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