

# 1321-M055 Common Mode Choke

## Where this Option is Used

The 1321-M055 common mode choke option can be installed with adjustable frequency AC drives. When installed at the drive output, the common mode choke helps to guard against interference with other electrical equipment (programmable controllers, sensors, analog circuits, etc.). In addition, reducing the PWM carrier frequency reduces the effects and lowers the risk of common mode noise interference.

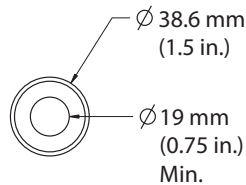
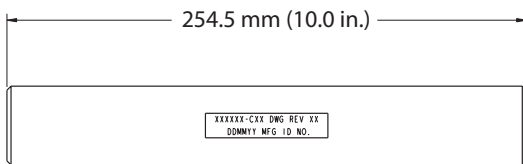


**ATTENTION:** Only qualified personnel familiar with adjustable frequency AC drives and associated machinery can plan or implement the installation, startup, and subsequent maintenance of the system. Failure to comply can result in personal injury and/or equipment damage.

## What this Kit Includes

This kit includes these components:

- One common mode choke (1321-M055)
- Two mounting brackets
- Two tie wraps



## Before You Install

All choke assemblies should be mounted as close to the bottom of the drive as possible while leaving sufficient distance between the choke assembly and the drive unit to provide clearance for cables and leads installed at the drive. It is recommended that the choke be tie wrapped to a solid object such as cabinet sheet metal or brackets when wiring is completed.

## Install the Common Mode Choke

Follow these steps to install the common mode choke.

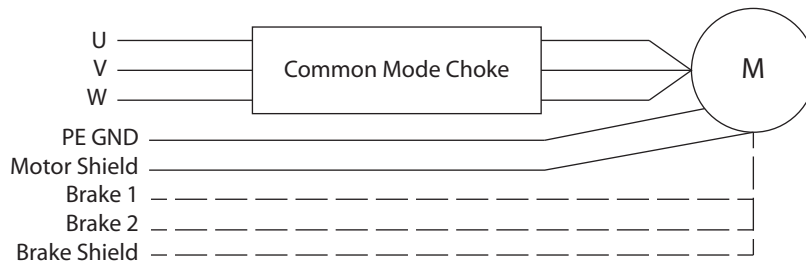
1. Remove all power from the system.



**ATTENTION:** Electric shock can cause injury or death. Remove all power before working with this product. Verify that the voltage on the drive bus capacitors has discharged. The voltage must be zero.

2. If used, secure the mounting brackets (provided in the kit) to a panel using customer-supplies screws.
3. Remove the motor leads from the drive terminals U, V, and W.
4. Feed the motor leads through the common mode choke.

**IMPORTANT** Only route the three motor leads through the choke. Do not route the motor shield, PE ground, and the brake leads (if present) through the choke.



5. Secure the choke to the mounting brackets or cabinet sheet metal surface by using tie wraps.
 

**Note:** If the choke is mounted in a vertical orientation, without the mounting brackets, additional tie wraps may be required to secure the choke so it does not slip off the mounting surface.



6. Reconnect the motor leads.

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