

## Bulletin 2364 AC Line and Control Power Fuse Replacement

### Contents

This publication contains procedures for replacing the AC line and control power fuses. A, B, C, D, J, K, L, M, and N-code 2364 units have single AC line fuses and E, F, and G-code 2364 units have parallel AC line fuses.

*Note: Parallel fuses should always be changed in pairs.*

### What This Kit Contains

Using the table below, verify that you have received the appropriate items in your kit:

For this part:	You should receive this quantity:
AC line fuse	6 (A through D and J through N-code 2364 units) 12 (E, F, and G-code 2364 units)
Control power fuse (F7)	2
Control power fuse (F5) if N-code unit	2

### Other Items Needed

Before you begin, be sure you also have the following:

- Whatever tool(s) you will need to:
  - Remove, loosen, and tighten bolts
- Documentation:
  - Your drive system schematics
  - Your product's user/installation manual

## Safety Precautions

The following general precautions apply to Bulletin 2364 products and their respective drive systems:

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**ATTENTION:** Only those familiar with the drive system, the products used in the system, and the associated machinery should plan or implement the installation, startup, and future maintenance of the system. Failure to comply can result in personal injury and/or equipment damage.

**ATTENTION:** Verify that all sources of AC and DC power are deenergized and locked out or tagged out in accordance with the requirements of ANSI/NFPA 70E, Part II.

**ATTENTION:** The system may contain stored energy devices. To avoid the hazard of electrical shock, verify that all voltage on capacitors has been discharged before attempting to service, repair, or remove a drive system or its components. You should only attempt the procedures in this manual if you are qualified to do so and are familiar with solid-state control equipment and the safety procedures in publication NFPA 70E.

**ATTENTION:** When servicing any unit, do not drop any nuts, bolts, washers, etc. inside the unit as they may cause a short circuit on power up. Dropped items must be found and removed before you apply power.

**ATTENTION:** This drive system contains ESD (Electrostatic Discharge) sensitive parts and assemblies. Static control precautions are required when installing, testing, or repairing this assembly. Component damage can result if ESD control procedures are not followed. If you are not familiar with static control procedures, refer to Rockwell Automation publication 8000-4.5.2, *Guarding Against Electrostatic Damage* or any other applicable ESD protection handbook.

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## Special Instructions

The following special instructions apply to Bulletin 2364 products and their respective drive systems:

**Important:** As you remove parts, place them in order on a clean surface because you will need to reuse some of them during reassembly.

**Important:** Some washers, such as the diode clamp washers and the Belleville washers used on busbar bolts, have only one correct orientation.

## Removing an AC Line Fuse

Follow this procedure to remove a fuse:

1. Remove all Lexan™ guards that shield the fuse.
2. Remove the 2 bolts securing each fuse.
3. Remove the fuse.

## Installing an AC Line Fuse

Use this procedure to install a fuse:

1. Verify that the fuse(s) is the correct size and type:

Bulletin 2364 Current Code	AC Line Fuse	Torque for Bolts Securing Fuse
A	250A, 170M	25 lb-ft
B	450A, 170M	25 lb-ft
C	1000A, 170M	45 lb-ft
D	1500A, 170M	45 lb-ft
E	1000A, 170M	45 lb-ft
F	1250A, 170M	45 lb-ft
G	1500A, 170M	45 lb-ft
J	125A, A70P	16 lb-ft
K	250A, 170M	16 lb-ft
L	500A, 170M	16 lb-ft
M	1000A, 170M	45 lb-ft
N	1250A, 170M	45 lb-ft

**Important:** Parallel fuses in the same phase must be of the same make from the same manufacturer.

2. Put the new fuse in place.
3. Install the two bolts, with washers in the correct position, at each fuse.
4. Torque the bolts to corresponding value shown above.
5. Replace any Lexan guards that you removed.
6. Dispose of the removed part(s) according to your company's procedures and local ordinances.

## Removing a Control Power Fuse

1. Remove all Lexan guards that shield the fuse.
2. Use a suitable tool to pull the fuse out of fuseblock.

## Installing a Control Power Fuse

Use this procedure to install the fuse:

1. Verify that the fuse is of the correct size and type:

Bulletin 2364 Current Code	Control Power Fuse
A	2A, KLDL
B	2A, KLDL
C	3A, KLDL
D	4A, KLDL
E	5A, KLDL
F	12A, KLDL
G	12A, KLDL
J	3.5A, KLDL
K	5A, KLDL
L	6.25A, KLDL
M	12A, KLDL
N	15A, KLDL (F7) 10A, KLDL (F5)

2. Use the fuse-puller to press the fuse into place.

*Note: Rejection type fuses can only be installed one way.*

3. Replace any Lexan guards that you removed.
4. Dispose of the removed part according to your company's procedures and local ordinances.

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Rockwell Automation Headquarters, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444

Rockwell Automation European Headquarters SA/NV, avenue Herrmann Debrouxlaan, 46, 1160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 40

Rockwell Automation Asia Pacific Headquarters, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846