Instructions for installation of:
3 Pole ANSI Cassette Shutters
Field Option Kit
2C12998

Tools Required:
• 10mm Socket and drive

WARNING
Do NOT attempt to install or perform maintenance on equipment while energized. Breaker must remain in the “OPEN” & “DISCHARGED” condition during the installation of this accessory kit. Death or severe personal injury can result from contact with energized equipment. Always verify that no voltage is present before proceeding.

Manufacturer/Supplier assumes no responsibility for damage done to circuit breakers or other equipment during field installation of any accessory.

Contents of Kit #2C12998G01 & #2C12998G05
- Leaf Spring
- Return Spring (2)
- Snap Rivet (2)
- M6x 10mm Self-thd screws (6)
- Shutter Assembly
- Brackets (1 ea.)

Contents of Kit #2C12998G07 & #2C12998G09
- M6x 10mm Self-thd screws (13)
- Snap Rivet (2)
- Leaf Springs (2)
- Return Spring (4)
- Stop Barrier Bracket
- Brackets (1 ea.)
- Shutter Assembly (2)
**STEP 1:** INSTALLING LEAF SPRING  Install Leaf Spring to rear of Cassette with 2 M6 x 10 Self-threading screws and torque to 80-90 In-lbs. (9-10 Nm).

**STEP 2:** INSTALLING SHUTTER ASSEMBLY  Pull Cassette rails half-way out. Shutters must be in closed position. Locate Pins A & B into front slots first. Locate left side pin D into left rear slot. Locate right side Pin C in right rear slot.

**STEP 3:** INSTALLING BRACKETS  Install Brackets to sides of Cassette with M6 x 10 self-threading screws and torque to 80-90 In-lbs. (9-10 Nm) Also install snap rivets as shown.

**STEP 4:** INSTALLING LOCK SCREWS AND RETURN SPRINGS  Install 2 M6 x 10mm self-threading screws into hole locations shown and torque to 80-90 In-lbs. (9-10 Nm). Then connect return springs between springs shutter levers and floor of Cassette as shown.

These 4 bolts must NOT grip shutter panel tightly – if tight, loosen screws ½ turn.
Double Frame Cassettes require 2 sets of shutters as provided in 2C12998G07 or 2C12998G09. These are installed as shown in steps 1 through 4 as shown on page 2. A 5000 Amp 3 pole assembly is illustrated below showing the installation of the center stop barrier.

### TEST SEQUENCE FOR ANSI SHUTTERS

1. After installing the shutter kit, install the drawout breaker into the cassette.
2. Rack the breaker to the connected position and visually check for clearances between moving parts.
3. With the breaker in the connected position, the shutters must be completely open.
4. Rack the breaker to the disconnected position and visually check for clearances between moving parts.
5. With the breaker in the disconnected position, the shutters must be completely closed.
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Check installation before operation
Barrier in front, then shutter panel assembly, then leaf spring as shown