



| COIL RESISTANCE – 23kA AND LESS |               |                 | COIL RESISTANCE – GREATER THAN 23kA |               |                 |
|---------------------------------|---------------|-----------------|-------------------------------------|---------------|-----------------|
| TRIP VOLTAGE                    | VOLTAGE RANGE | RESISTANCE OHMS | TRIP VOLTAGE                        | VOLTAGE RANGE | RESISTANCE OHMS |
| 24VDC                           | 14 – 28       | 1.4             | 24VDC                               | 14 – 28       | 6.8             |
| 48VDC                           | 28 – 56       | 6.8             | 48VDC                               | 28 – 56       | 26.0            |
| 125VDC                          | 70 – 140      | 11.6            | 125VDC                              | 70 – 140      | 184.0           |
| 250VDC                          | 140 – 280     | 44.5            | 250VDC                              | 140 – 280     | 184.0           |
| 120VAC                          | 104 – 127     | 6.8             | 120VAC                              | 104 – 127     | 26.0            |
| 240VAC                          | 208 – 254     | 17.6            | 240VAC                              | 208 – 254     | 115.0           |

**⚠ WARNING**

**HAZARD OF PERSONAL INJURY OR EQUIPMENT DAMAGE:**

BEFORE PERFORMING ANY MAINTENANCE OR REPAIR WORK:

- ALWAYS REMOVE THE CIRCUIT BREAKER COMPLETELY FROM THE CELL.
- PRESS OPEN, CLOSE, AND OPEN PUSHBUTTONS TO DISCHARGE ALL SPRINGS.

FAILURE TO OBSERVE THESE PRECAUTIONS CAN CAUSE DEATH OR SEVERE PERSONAL INJURY!

- TOOLS REQUIRED:**
- 7/16 WRENCH (FRONT COVER)
  - 13mm WRENCH
  - 10mm WRENCH
- INSTRUCTIONS:**
- 1) REMOVE FRONT COVER.
  - 2) LOCATE CLOSE/TRIP COIL ON MECHANISM AND DISCONNECT WIRES FROM COIL TERMINALS.
  - 3) REMOVE (2) MOUNTING BOLTS FROM COIL BRACKET.
  - 4) MOUNT NEW COIL ASSEMBLY WITH (2) MOUNTING BOLTS.
  - 5) RECONNECT WIRES TO COIL TERMINALS.
  - 6) INSTALL FRONT COVER.
  - 7) APPLY CONTROL VOLTAGE TO VERIFY PROPER OPERATION.

| STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED |          | DESIGN LOC: WC |                            | USED ON: VR BREAKERS |  | ECO:           |  | PRINTS TO: |                | DATE: 12/20/13 |  | TITLE: CLOSE & TRIP COIL, 24 VDC |  | SCALE: 1 : 3 |  | PART# 48040-479-60 |  | QTY: - |  | B 46040-479-60 |  | SQUARE D COMPANY POWER EQUIPMENT |  |
|-----------------------------------------------|----------|----------------|----------------------------|----------------------|--|----------------|--|------------|----------------|----------------|--|----------------------------------|--|--------------|--|--------------------|--|--------|--|----------------|--|----------------------------------|--|
| LINER                                         | ± .060   | DRAWN BY: BSM  | RAWSTOCK: ----             | ECO:                 |  | DATE: 12/20/13 |  | PRINTS TO: | -- -- -- -- -- | DATE: 12/20/13 |  | TITLE: CLOSE & TRIP COIL, 24 VDC |  | SCALE: 1 : 3 |  | PART# 48040-479-60 |  | QTY: - |  | B 46040-479-60 |  | SQUARE D COMPANY POWER EQUIPMENT |  |
| HOLE DIMENSIONS                               | ± .015   | CHKD BY: BSM   | MATERIAL DESCRIPTION: ---- |                      |  |                |  |            |                |                |  |                                  |  |              |  |                    |  |        |  |                |  |                                  |  |
| PUNCHED/DRILLED                               | ± .005   | ENGINEER: BSM  | FINISH DESCRIPTION: ----   |                      |  |                |  |            |                |                |  |                                  |  |              |  |                    |  |        |  |                |  |                                  |  |
| ANGLES                                        | 90° ± 2° |                |                            |                      |  |                |  |            |                |                |  |                                  |  |              |  |                    |  |        |  |                |  |                                  |  |