

**Contactors (Relay) Coil Data**

| Device                             | Coil Consumption    |                     | Coil Consumption |        |                  |       | Minimum Recommended Transformer |
|------------------------------------|---------------------|---------------------|------------------|--------|------------------|-------|---------------------------------|
|                                    | DC Watts            |                     | AC               |        |                  |       |                                 |
|                                    | Inrush              | Sealed              | Inrush (pick-up) |        | Sealed (holding) |       | VA                              |
|                                    |                     |                     | VA               | Watts  | VA               | Watts | VA                              |
| CA8-9, CA8-12                      | -                   | -                   | 35               | 32     | 5                | 1.8   | 50                              |
| CA8-09C, CA8-12C                   | 3.0 cold / 2.6 warm | 3.0 cold / 2.6 warm | -                | -      | -                | -     | -                               |
| CA7-9, CA7-12, CA7-16              | -                   | -                   | 75               | 50-60  | 9.5              | 2.7   | 50                              |
| CA7-9E, CA7-12E, CA7-16E, CA7-23E  | 10 avg. / 17 peak   | 1.7                 | -                | -      | -                | -     | -                               |
| CA7-23                             | -                   | -                   | 105              | 60-70  | 12.3             | 3.1   | 50                              |
| CA7-30, CA7-37, CAL7-30            | -                   | -                   | 105              | 70     | 12.3             | 3.1   | 50                              |
| CA7-30E, CA7-37E                   | 10 avg. / 17 peak   | 1.7                 | -                | -      | -                | -     | -                               |
| CA7-40                             | -                   | -                   | 135              | 90-100 | 13.3             | 3.3   | 75                              |
| CA7-43, CA7-55                     | -                   | -                   | 135              | 90-100 | 13.3             | 3.3   | 75                              |
| CA7-40E, CA7-43E, CA7-55E          | 16 avg. / 25 peak   | 2.5                 | -                | -      | -                | -     | -                               |
| CA7-60, CA7-72, CA7-85             | -                   | -                   | 235              | 110    | 19               | 6.5   | 100                             |
| CAL7-60, CA7-90, CA7-97            | -                   | -                   | 400              | 240    | 24               | 9     | 200                             |
| CA7-60D, CA7-72D, CA7-85D, CA7-97D | 200                 | 4.5                 | -                | -      | -                | -     | -                               |
| CA7-90D                            | 325                 | 5.5                 | -                | -      | -                | -     | -                               |
| CA9-116, CA9-146                   |                     |                     |                  |        |                  |       | 100                             |
| CA9-190, CA9-205                   |                     |                     |                  |        |                  |       | 100                             |
| CA9-265, CA9-305, CA9-370          |                     |                     |                  |        |                  |       | 100                             |
| CA9-400, CA9-460                   |                     |                     |                  |        |                  |       | 200                             |
| CA9-580, CA9-750                   |                     |                     |                  |        |                  |       | 200                             |
| CA9-860, CA9-1060                  |                     |                     |                  |        |                  |       | 300                             |
| CA9-1260                           |                     |                     |                  |        |                  |       | 200                             |
| CA9-2050, CA9-2650                 |                     |                     |                  |        |                  |       | 300                             |

See section A

**Control Circuit Transformer Voltage Specifications**

| Factory Modification Code | Factory Wired Connection |           | Voltage Taps Available |           |
|---------------------------|--------------------------|-----------|------------------------|-----------|
|                           | Primary                  | Secondary | Primary                | Secondary |
| XA                        | 208                      | 120       | 208/230/460            | 115       |
| XB                        | 240                      | 120       | 240/480                | 120       |
| XC                        | 480                      | 120       | 240/480                | 120       |
| XD                        | 600                      | 120       | 575/600                | 115/120   |
| XE                        | 240                      | 24        | 240/480                | 24        |
| XF                        | 480                      | 24        | 240/480                | 24        |
| XG                        | 380                      | 110       | 380/400/415            | 110/220   |
| XH                        | Must specify tap         | 115       | 208/230/460            | 115       |
| XJ                        | 600                      | 24        | 600                    | 12/24     |
| XK                        | 380                      | 24        | 480/380/277/240/208    | 24        |
| XL                        | 415                      | 24        | 480/415/400            | 24/120    |
| XM                        | Must specify tap         | 24/115    | 208/230/460            | 24/115    |
| XN                        | 400                      | 24        | 480/415/400            | 24/120    |
| XO                        | 208                      | 24        | 208/230/460            | 24/115    |
| XP                        | 120                      | 24        | 120/240                | 24        |

- ① 50Hz, 60Hz or 50/60Hz except CA7 which is 60Hz.
- ② For AC coils.
- ③ The "VA" values shown are the minimum requirement to energize one contactor. For multiple contactors and/or additional control circuit devices (burden) refer to control circuit transformer manufacturer's selection criteria.
- ④ Modification codes in Gray are Special Order. Contact a Sprecher + Schuh representative.

Starters & Enclosed Products

