

TeSys™ K Non-Reversing Mini-Contactors



LC1K09

Table 18.1: AC Operating Coils

| Maximum Horsepower Ratings |       |             |       |       |       | Maximum Current (A) |               | Continuous Current Rating (A) | Type of Connection | Auxiliary Contacts |      | Catalog Number <sup>[1][2][3]</sup><br><sup>[4]</sup> |
|----------------------------|-------|-------------|-------|-------|-------|---------------------|---------------|-------------------------------|--------------------|--------------------|------|---|
| Single-Phase               |       | Three-Phase |       |       |       | Inductive AC3       | Resistive AC1 |                               |                    | N.O.               | N.C. |   |
| 115 V                      | 230 V | 200 V       | 230 V | 460 V | 575 V |                     |               |                               |                    |                    |      |   |
| 1/2                        | 1     | 1.5         | 1.5   | 3     | 3     | 6                   | 20            | 10                            | Screw-clamp        | 1                  | —    | LC1K0610  |
|                            |       |             |       |       |       |                     |               |                               |                    | —                  | 1    | LC1K0601  |
| 1/2                        | 1.5   | 2           | 3     | 5     | 5     | 9                   | 20            | 20                            | Screw-clamp        | 1                  | —    | LC1K0910  |
|                            |       |             |       |       |       |                     |               |                               |                    | —                  | 1    | LC1K0901  |
| 1                          | 2     | 3           | 3     | 7.5   | 10    | 12                  | 20            | 20                            | Screw-clamp        | 1                  | —    | LC1K1210  |
|                            |       |             |       |       |       |                     |               |                               |                    | —                  | 1    | LC1K1201  |

Table 18.2: TeSys K Contactors with Spring Terminal Clamps<sup>[5]</sup>

| Maximum Horsepower Ratings |       |             |       |       |       | Maximum Current (A) |               | Continuous Current Ratings (A) | Catalog Number <sup>[1]</sup> |
|----------------------------|-------|-------------|-------|-------|-------|---------------------|---------------|--------------------------------|-------------------------------|
| Single-Phase               |       | Three-Phase |       |       |       | Inductive AC3       | Resistive AC1 |                                |                               |
| 115 V                      | 230 V | 200 V       | 230 V | 460 V | 575 V |                     |               |                                |                               |
| 1/3                        | 1     | 1.5         | 1.5   | 3     | 3     | 6                   | 20            | 10                             | LC•K06••3                     |
| 1/3                        | 1.5   | 2           | 2     | 5     | 5     | 9                   | 20            | 10                             | LC•K09••3                     |
| 1/3                        | 1.5   | 2           | 2     | 5     | 5     | 12                  | 20            | 10                             | LC•K12••3                     |

Table 18.3: Coil Voltage Codes for AC Contactors

Up to and including 240 V coil with integral suppression device available. Add 2 to the code required (for example, J72).

| Vac 50/60 Hz | 12 | 24 | 42 | 48 | 110 | 120 | 127 | 200/<br>208 | 220/<br>230 | 230 | 230/<br>240 | 277 | 380/<br>400 | 400/<br>415 | 440 | 480 | 600 |
|--------------|----|----|----|----|-----|-----|-----|-------------|-------------|-----|-------------|-----|-------------|-------------|-----|-----|-----|
| Code         | J7 | B7 | D7 | E7 | F7  | G7  | FC7 | L7          | M7          | P7  | U7          | UE7 | Q7          | N7          | R7  | T7  | X7  |

Table 18.4: DC Operating Coils

| Maximum Horsepower Ratings |       |             |       |       |       | Maximum Current (A) |               | Continuous Current Rating (A) | Type of Connection | Auxiliary Contacts |      | Catalog Number <sup>[2][3][4][6]</sup> |
|----------------------------|-------|-------------|-------|-------|-------|---------------------|---------------|-------------------------------|--------------------|--------------------|------|--|
| Single-Phase               |       | Three-Phase |       |       |       | Inductive AC3       | Resistive AC1 |                               |                    | N.O.               | N.C. |  |
| 115 V                      | 230 V | 200 V       | 230 V | 460 V | 575 V |                     |               |                               |                    |                    |      |  |
| 1/2                        | 1     | 1.5         | 1.5   | 3     | 3     | 6                   | 20            | 10                            | Screw-clamp        | 1                  | —    | LP1K0610                               |
|                            |       |             |       |       |       |                     |               |                               |                    | —                  | 1    | LP1K0601                               |
| 1/2                        | 1.5   | 2           | 3     | 5     | 5     | 9                   | 20            | 20                            | Screw-clamp        | 1                  | —    | LP1K0910                               |
|                            |       |             |       |       |       |                     |               |                               |                    | —                  | 1    | LP1K0901                               |
| 1                          | 2     | 3           | 3     | 7.5   | 10    | 12                  | 20            | 20                            | Screw-clamp        | 1                  | —    | LP1K1210                               |
|                            |       |             |       |       |       |                     |               |                               |                    | —                  | 1    | LP1K1201                               |

Table 18.5: Coil Voltage Codes for DC Contactors

Coil with integral suppression device available. Add 3 to the code required (for example, JD3). <sup>[7]</sup>

| Vdc  | 12 | 20 | 24 | 36 | 48 | 60 | 72 | 100 | 110 | 125 | 200 | 220 | 230 | 240 | 250 |
|------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Code | JD | ZD | BD | CD | ED | ND | SD | KD  | FD  | GD  | LD  | MD  | MPD | MUD | UD  |

[1] Complete the catalog number with the coil voltage code from Table 18.3 Coil Voltage Codes for AC Contactors, page 18-2 for example, LC1K0610G7).

[2] For spring terminal clamps, add a 3 before the coil voltage code (for example, LC2K06103G7). Spring terminal clamps reduce some of the HP and continuous current ratings of the TeSys K contactors. For ratings, please refer to Table 18.2 TeSys K Contactors with Spring Terminal Clamps, page 18-2.

[3] For solder pin terminals, add a 5 before the coil voltage code (for example, LC1K09105B7).

[4] For slip-on terminals, add a 7 before the coil voltage code (for example, LC1K12107M7).

[5] Applies to all TeSys K contactors (LC1K, LC2K, LC7K, LC8K, LP1K, LC2K, LP4K and LP5K).

[6] Complete the catalog number with the coil voltage code from Table 18.5 Coil Voltage Codes for DC Contactors, page 18-2 (for example, LP1K09004BD).

[7] 3 W inrush.