

TeSys™ D Non-Reversing Contactors



Table 18.22: TeSys D Contactors—3 or 4 Pole, Screw Terminal Connections

| Maximum Horsepower Ratings | | | | | | Maximum Current (A) | | Continuous Current Rating (A) | No. of Poles | | Instantaneous Auxiliary Contacts | | Catalog Number [40] |
|----------------------------|-------|-------------|-------|-------|-------|---------------------|---------------|-------------------------------|--------------|------|----------------------------------|------|---------------------|
| Single-Phase | | Three-Phase | | | | Inductive AC3 | Resistive AC1 | | N.O. | N.C. | N.O. | N.C. | |
| 115 V | 230 V | 200 V | 230 V | 460 V | 575 V | | | | | | | | |
| 1/3 | 1 | 2 | 2 | 5 | 7.5 | 9 | 20 | 25 | 3 | 0 | 1 | 1 | LC1D09 [41][42][43] |
| — | — | — | — | — | — | — | | | 4 | | | | LC1DT20 [41] |
| — | — | — | — | — | — | — | 25 | 25 | 2 | 2 | 1 | 1 | LC1D098 [41] |
| 1/2 | 2 | 3 | 3 | 7.5 | 10 | 12 | | | 3 | | | | LC1D12 [41][42][43] |
| — | — | — | — | — | — | — | 32 | 32 | 4 | 0 | 1 | 1 | LC1DT25 [41] |
| — | — | — | — | — | — | — | | | 2 | | | | LC1D128 [41] |
| 1 | 3 | 5 | 5 | 10 | 15 | 18 | 40 | 40 | 3 | 0 | 1 | 1 | LC1D18 [41][42] |
| — | — | — | — | — | — | — | | | 4 | | | | LC1DT32 [41] |
| — | — | — | — | — | — | — | 50 | 50 | 2 | 2 | 1 | 1 | LC1D188 [41] |
| 2 | 3 | 7.5 | 7.5 | 15 | 20 | 25 | | | 3 | | | | LC1D25 [41][41] |
| — | — | — | — | — | — | — | 60 | 60 | 4 | 0 | 1 | 1 | LC1D40 [41] |
| — | — | — | — | — | — | — | | | 2 | | | | LC1D258 [41] |
| 2 | 5 | 10 | 10 | 20 | 25 | 32 | 80 | 80 | 3 | 0 | 1 | 1 | LC1D32 [41][42] |
| 2 | 5 | 10 | 10 | 20 | 25 | 38 | | | 3 | | | | LC1D38 [41][42] |
| 3 | 5 | 10 | 10 | 30 | 30 | 40 | 110 | 110 | 3 | 0 | 1 | 1 | LC1D40A [41] |
| — | — | — | — | — | — | — | | | 4 | | | | LC1DT60A [41] |
| 3 | 7.5 | 15 | 15 | 40 | 40 | 50 | 125 | 125 | 3 | 0 | 1 | 1 | LC1D50A [41] |
| 5 | 10 | 20 | 20 | 40 | 50 | 65 | | | 3 | | | | LC1D65A [41] |
| — | — | — | — | — | — | — | 200 | 160 | 4 | 0 | 0 | 0 | LC1D80A [41] |
| 7.5 | 15 | 25 | 30 | 60 | 60 | 80 | | | 3 | | | | LC1D80 |
| — | — | — | — | — | — | — | 200 | 160 | 4 | 0 | 0 | 0 | LC1D80004 [44] |
| — | — | — | — | — | — | — | | | 2 | | | | LC1D80008 [44] |
| 7.5 | 15 | 25 | 30 | 60 | 60 | 95 | 200 | 160 | 3 | 0 | 1 | 1 | LC1D95 |
| — | — | 30 | 40 | 75 | 100 | 115 | | | 3 | | | | LC1D115 |
| — | — | 40 | 50 | 100 | 125 | 150 | 200 | 160 | 3 | 0 | 1 | 1 | LC1D150 |
| — | — | — | — | — | — | — | | | 4 | | | | LC1D115004 |

Table 18.23: TeSys D Coil Voltage Codes [45]

| Contactor | Hz | 24 V | 48 V | 110 V | 120 V | 125 V | 208 V | 220 V | 240 V | 250 V | 440 V | 480 V | 600 V |
|------------------------------------|-------|------|------|-------|-------|-------|-------|---------|-------|-------|-------|---------|---------|
| AC | | | | | | | | | | | | | |
| D09–D150 | 50/60 | B7 | E7 | F7 | G7 | — | LE7 | M7 | U7 | — | — | T7 [46] | X7 [46] |
| LC1D80–LC1D150 | 50 | B5 | E5 | F5 | — | — | — | M5 [46] | U5 | — | — | — | — |
| | 60 | B6 | E6 | F6 | G6 | — | L6 | M6 | U6 | — | — | T6 | X6 [46] |
| DC | | | | | | | | | | | | | |
| D09–D38, DT20–D258 Low Consumption | — | BL | EL | FL | — | — | — | ML | — | UL | — | — | — |
| D09–D150 | — | BD | ED | FD | — | GD | — | MD | — | UD | RD | — | — |

[40] Complete the catalog number by adding the coil voltage code from Table 18.23 TeSys D Coil Voltage Codes, page 18-8 for example, LC1D09G7.

[41] For ring tongue versions of LC1D09–LC1D65A and LC1DT20–LC1DT80A, add 6 to the catalog number prior to adding the voltage code (for example, LC1D09G7 becomes LC1D096G7 and LC1D50AG7 becomes LC1D50A6G7).

[42] For spring terminals versions of LC1D09–LC1D65A, add 3 to the catalog number prior to adding the voltage code (for example, LC1D12G7 becomes LC1D123G7 and LC1D40AG7 becomes LC1D40A3G7. Note that 40–65 A spring terminals are only on the control terminations and not on power terminations).

[43] For slip-on connector versions of LC1D09 and LC1D12 only, add 9 to the catalog number prior to adding the voltage code (for example, LC1D09G7 becomes LC1D099G7).

[44] For DC version of these devices, replace the C with a P (for example, LC1D80004** becomes LP1D80004**). This applies only to 80 A, 4-pole devices.

[45] For additional voltage codes refer to the Control and Protection Components Catalog [MKTED210011EN](#).

[46] Not available for LC1D80–LC1D150.

TeSys™ D Overload Relays

Table 18.24: TeSys D Overload Relays—Ambient Compensated, Bimetallic, Direct Mounting

| Current Setting Range (A) | For Direct Mounting to LC1D/LC2D... | Class 10 with Single-Phase Sensitivity | Class 10 without Single-Phase Sensitivity | Class 20 with Single-Phase Sensitivity | Class 20 without Single-Phase Sensitivity | |
|---------------------------|-------------------------------------|--|---|--|---|---------|
| 0.10–0.16 | D09–D38 | LRD01 | LR3D01 | — | — | |
| 0.16–0.25 | | LRD02 | LR3D02 | — | — | |
| 0.25–0.40 | | LRD03 | LR3D03 | — | — | |
| 0.40–0.63 | | LRD04 | LR3D04 | LRD04L | LR3D04L | |
| 0.63–1 | | LRD05 | LR3D05 | LRD05L | LR3D05L | |
| 1–1.6 | | LRD06 | LR3D06 | LRD06L | LR3D06L | |
| 1.6–2.5 | | LRD07 | LR3D07 | LRD07L | LR3D07L | |
| 2.5–4 | | LRD08 | LR3D08 | LRD08L | LR3D08L | |
| 4–6 | | LRD10 | LR3D10 | LRD10L | LR3D10L | |
| 5.5–8 | | LRD12 | LR3D12 | LRD12L | LR3D12L | |
| 7–10 | | LRD14 | LR3D14 | LRD14L | LR3D14L | |
| 9–13 | | D12–D38 | LRD16 | LR3D16 | LRD16L | LR3D16L |
| 12–18 | | D18–D38 | LRD21 | LR3D21 | LRD21L | LR3D21L |
| 16–24 | LRD22 | | LR3D22 | — | — | |
| 17–24 | — | | — | LRD22L | LR3D22L | |
| 23–32 | D25–D38 | LRD32 | LR3D32 | LRD32L | LR3D32L | |
| 30–38 | D32–D38 | LRD35 | LR3D35 | — | — | |
| 9–13 | D40A–D65A | LRD313 | LR3D313 | LRD313L | — | |
| 12–18 | D40A–D65A | LRD318 | LR3D318 | LRD318L | — | |
| 17–25 | D40A–D65A | LRD325 | LR3D325 | LRD325L | — | |
| 23–32 | D40A–D65A | LRD332 | LR3D332 | LRD332L | — | |
| 30–40 | D40A–D65A | LRD340 | LR3D340 | LRD340L | — | |
| 37–50 | D40A–D65A | LRD350 | LR3D350 | LRD350L | — | |
| 48–65 | D40A–D65A | LRD365 | LR3D365 | LRD365L | — | |
| 17–25 | D40–D95 | LRD3322 | LR3D3322 | LRD23522 | LR3D3522 | |
| 23–32 | D40–D95[47] | LRD3353 | LR3D3353 | LRD23553 | LR3D3553 | |
| 30–40 | D40–D95[47] | LRD3355 | LR3D3355 | LRD23555 | LR3D3555 | |
| 37–50 | D50–D95[47] | LRD3357 | LR3D3357 | LRD23557 | LR3D3557 | |
| 48–65 | D50–D95[47] | LRD3359 | LR3D3359 | LRD23559 | LR3D3559 | |
| 55–70 | D65–D95 | LRD3361 | LR3D3361 | LRD23561 | LR3D3561 | |
| 63–80 | D65–D95 | LRD3363 | LR3D3363 | LRD23563 | LR3D3563 | |
| 80–104 | D95 | LRD3365 | — | — | — | |
| 80–104 | D115–D150 | LRD4365 | — | — | — | |
| 95–120 | D115–D150 | LRD4367 | — | — | — | |
| 110–140 | D150 | LRD4369 | — | — | — | |

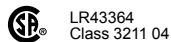
Table 18.25: TeSys LR9D Electronic Overload Relays ^{New!}

| Current Setting Range (A) | For Direct Mounting Beneath Contactor LC1D/LC2D | Class 5/10/20/30 Selectable |
|---------------------------|---|-----------------------------|
| 0.1–0.5 | D09–D38 | LR9D01 |
| 0.4–2 | D09–D38 | LR9D02 |
| 1.6–8 | D09–D38 | LR9D08 |
| 6.4–32 | D09–D38 | LR9D32 |
| 22–110 | N/A (Separate Mounting Only) | LR9D110S |

Table 18.26: TeSys D Overload Relays—Solid State

| Current Setting Range (A) | For Direct Mounting Beneath Contactor LC1 | Class 10 | Class 20 | Class 10/20 Selectable |
|---------------------------|---|----------|----------|------------------------|
| 60–100 | D115–D150 | LR9D5367 | LR9D5567 | LR9D67 |
| 90–150 | D115–D150 | LR9D5369 | LR9D5569 | LR9D69 |

TeSys D contactor accessories: TeSys™ D & F Auxiliary Contacts, Time Delay, Mechanical Latch, page 18-15
 TeSys D overload relay accessories: TeSys D Overload Relay Accessories, page 18-22
 TeSys D replacement coils: TeSys™ D AC Coils, page 18-43
 Dimensions: TeSys™ D Contactors, AC and DC Coil, page 18-51 to TeSys™ D Thermal Overload Relay Dimensions, page 18-59
 TeSys T: see TeSys™ T Motor Management System, page 16-101



[47] Direct mount to old D2 style D40 to D65 (no Everlink terminations) and to D80 and D95 only.