

### Application Note on Contactor Drop-out Times

Contactors using LX1, FH, FJ, FK, FL, and FX coils have longer drop-out times. For critical applications such as emergency stop functions:

- Select a fast drop-out coil (LX9), or
- Use a maintained contact Stop button, or
- Use an interposing relay.

**Table 18.164: Rectifier Table**

| Coil     | Rectifier Catalog Number |
|----------|--------------------------|
| LX9F●910 | DR5TF4V                  |
| LX9F●917 |                          |
| LX4F8FW  |                          |
| LX4F8MW  |                          |
| LX9F●925 | DR5TE4U                  |
| LX9F●926 |                          |
| LX9F●931 |                          |
| LX9F●936 |                          |
| LX9F●937 | DR5TE4S                  |
| LX9F●938 |                          |
| LX4F8QW  |                          |

**Table 18.165: AC and DC Coil Part Numbers for LC1F1400 to F2100 [6]**

| Control Circuit Voltage of Contactor | Voltage Code | Spare Coil Part Number | Quantity |
|--------------------------------------|--------------|------------------------|----------|
| <b>AC Coils</b>                      |              |                        |          |
| 110 V                                | F7           | LX1FK065               | 2        |
| 120 V                                | G7           | LX1FK070               | 2        |
| 220 V                                | M7           | LX1FK110               | 2        |
| 230 V                                | P7           | LX1FK110               | 2        |
| 240 V                                | U7           | LX1FK127               | 2        |
| 277 V                                | W7           | LX1FK140               | 2        |
| 380 V                                | Q7           | LX1FK200               | 2        |
| 400 V                                | V7           | LX1FK200               | 2        |
| 415 V                                | N7           | LX1FK220               | 2        |
| 440 V                                | R7           | LX1FK220               | 2        |
| 500 V                                | S7           | LX1FK240               | 2        |
| <b>DC Coils</b>                      |              |                        |          |
| 110 V                                | FD           | LX4FK055               | 2        |
| 125 V                                | GD           | LX4FK065               | 2        |
| 220 V                                | MD           | LX4FK110               | 2        |
| 250 V                                | UD           | LX4FK125               | 2        |
| 440 V                                | RD           | LX4FK220               | 2        |

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[6] These coils are standard parts included when a voltage code is added to the contactor part number LC1F1700 or LC1F2100.