



# Certificate of Compliance

**Certificate:** 1220368

**Master Contract:** 164581

**Project:** 80098989

**Date Issued:** 2021-11-08

**Issued To:** Telemecanique/Schneider Electric Industries SAS  
31 rue Pierre Mendes-France  
Eybens, Isere, 38320  
France

**Attention:** Bruce Zhou

*The products listed below are eligible to bear the CSA Mark shown*

**Issued by:** Sam Lem  
Sam Lem, P. Eng.



## **PRODUCTS**

CLASS - C321124 - INDUSTRIAL CONTROL EQUIPMENT Motor Controllers-Magnetic

D.C. coil operated contactors Types LP1-D40, -D50, -D65, -D80 and LC1-D40, D50, D65, D80.

Electric heating control rating: Resistive - Break all lines (NO only):

| Models  | Voltage | Current | Cycles  |
|---------|---------|---------|---------|
| LC1-D40 | 600V    | 80A     | 250,000 |
| LC1-D50 | 600V    | 80A     | 250,000 |
| LC1-D65 | 600V    | 80A     | 250,000 |
| LC1-D80 | 600V    | 110A    | 250,000 |

Special rating for LC1D80

Tungsten: 100A, 480Vac, 3 phases wye

Ballast: 100A, 600Vac, 1 phase; 100A, 600Vac, 3 phases wye



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Rating for refrigeration control:

| Device | FLA | LRA 240V | LRA 480V | LRA 600V | FLA Cycles | LRA cycle |
|--------|-----|----------|----------|----------|------------|-----------|
| LC1D40 | 40  | 240      | 200      | 160      | 30 000 *   | 6000      |
| LC1D50 | 50  | 300      | 250      | 200      | 30 000 *   | 6000      |
| LC1D65 | 65  | 390      | 325      | 260      | 30 000 *   | 6000      |
| LC1D80 | 80  | 480      | 400      | 320      | 30 000 *   | 6000      |

\*As manufacturer's option, the contactors Models LC1D40, LC1D50, LC1D65 and LC1D80 have been further tested to 100,000 cycle FLA endurance after LRA overload test.

Optional High fault ratings for model LC1-D80:

Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA RMS symmetrical amperes at 480Vac, rated not more than 150 Amps.

Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA RMS symmetrical amperes at 600 Vac, rated not more than 175 Amps.

Optional High fault ratings for model LC1-D40, -D50, -D65:

Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA RMS symmetrical amperes at 480Vac, rated not more than 110 Amps.

Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA RMS symmetrical amperes at 600 Vac, rated not more than 110 Amps.

Catalog No. LP1-D80 and LC1-D80, d.c. coil, 50 hp, 3 ph, 60Hz, 500 000 operations elevator duty (endurance test at 2 time motor rated current).

Optional High fault ratings for model LC1-D80:

Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA RMS symmetrical amperes at 480Vac, rated not more than 150 Amps.

Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA RMS symmetrical amperes at 600 Vac, rated not more than 175 Amps.

## **APPLICABLE REQUIREMENTS**

CAN/CSA C22.2 No.60947-1-13, Ed. 2 (R2018)-  
General Rules

Low-Voltage Switchgear and Controlgear – Part 1 :

CAN/CSA C22.2 No.60947-4-1-14, Ed. 2(2014)-

Low-Voltage Switchgear and Controlgear - Part 4-1:  
Contactors and Motor-Starters – Electromechanical Contactors and  
Motor-Starters.



## Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

| Project  | Date       | Description                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80098989 | 2021-11-08 | Update of report 164581-1220368 to cover addition of alternate recognized plastic material for coil bobbin, base, housing, and front cover on model LC.D40-95 DC coils.                                                                                                                                                                                                                                                                |
| 80023171 | 2020-03-23 | Reduce the thickness of the “contact” sublayer. Remove class number 3211-04 and 2411-03                                                                                                                                                                                                                                                                                                                                                |
| 70164181 | 2017-12-20 | Update of report 164581-1220368 to cover addition of suffix S207, addition of alternate plastic material with same or better characteristic and addition of plastic material thickness different part.                                                                                                                                                                                                                                 |
| 70014852 | 2015-07-21 | cover addition of short circuit rating, 50kA RMS at 600Vac when protected by thermal-magnetic circuit breaker rated not more than ratings shown in the marking section; Also covers refrigeration control rating with 100k FLA endurance as manufacturer's option.also covers addition of short circuit rating for LC1D40, 50 and 65, 100kA RMS at 480Vac when protected by thermal-magnetic circuit breaker rated not more than 110A. |
| 2651857  | 2013-08-29 | Addition of electric heating control rating for model LC1-D40, LC1-D50, LC1-D65, LC1-D80 and update all products to CSA C22.2 No.14-13.                                                                                                                                                                                                                                                                                                |
| 2571723  | 2012-11-02 | Addition of high short-circuit rating: 100kA at 480Vac with a 150A breaker CSA C22.2 No.14-10, C22.2 No 60947-1-07 and C22.2 No 6094 7-4-1-07 for types LP1-D40, -D50, -D65, -D80 and LC1-D40, D50, D65, D80 with Dc coil. Alternate plastic material.                                                                                                                                                                                 |
| 2358307  | 2010-10-19 | Addition of alternate plastic materials for Housing and Front Cover of model LP1-D8011.                                                                                                                                                                                                                                                                                                                                                |
| 2116517  | 2008-12-16 | Addition of the electrical ratings for electric discharge lamp control (ballast) and incandescent lamp control (tungsten) on model LC1D80 (DC coil). Update report as per Notice Industrial Control Equipment no.17 and CAN/CSA C22.2 No.14-05.                                                                                                                                                                                        |



|         |            |                                                                                                                              |
|---------|------------|------------------------------------------------------------------------------------------------------------------------------|
| 1268672 | 2002-01-09 | REVERSING CONTACTOR LC2-D09 TO D95, UPDATE TO REPORT LR 43364-30 AND ALT.CONST. DC COIL CONTACTOR LP1-D40-D80, REP. -1220368 |
| 1220368 | 2001-09-12 | CONTACTEUR MAGNÉTIQUES LP1 OPTION 'MAY BE RATED LESS' LR 43364-25 ET CHANGEMENT DE MATIÈRE SÉRIE F (-1012377)                |