



Certificate of Compliance

Certificate: 1231854

Master Contract: 164581

Project: 80098987

Date Issued: 2021-11-04

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

Contactors, LC1-D40, LC1-D50, LC1-D65, LC1-D80 and LC1-D95, 600V ac and less, 60 hp max – 3 ph, 15 hp, 1 ph, Coil: 600Vac max, 50/60Hz.

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

Models	Voltage	Current	Cycles
LC1-D80	600V	110A	250,000

Special rating for LC1D80

Tungsten: 100A, 480Vac, 3 phases wye

Ballast (break all lines): 100A, 600Vac, 1 phase; 100A, 600Vac, 3 phases wye

Rating for refrigeration control:



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Device	FLA	LRA 240V	LRA 480V	LRA 600V	FLA Cycles	LRA cycle
LC1-D40	40	240	200	160	30 000 *	6000
LC1-D50	50	300	250	200	30 000 *	6000
LC1-D65	65	390	325	260	30 000 *	6000
LC1-D80	80	480	400	320	30 000 *	6000

*As manufacturer's option, the contactors Models LC1-D40, LC1-D50, LC1-D65 and LC1-D80 have been further tested to 100,000 cycle FLA endurance after LRA overload test.

Notes:

1. Suitable for Group Installation when used in combination with Telemecanique manual motor controller GV2-.. or GV3-.. and protected by fuses or circuit breakers.
2. Optional High Fault Short Circuit ratings for LC1- D40, -D50, -D65, -D80, -D95: Maximum 100kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 100kA rms symmetrical amperes at 480V sized not greater than 110 A for LC1-D40, -D50, -D65 or 150A for LC1-D80, -D95.
3. Designation: Tesys offer Cat. No. LC1-D40, LC1-D50, LC1-D65, LC1-D80 and LC1-D95 followed or not by 6 or 004 or 008, followed by the coil voltage code composed by a suffix letter and a digit, may be followed by a letter. May be followed by the suffix S335. Example : LC1-D40004G7M, LC1-D80G7S335
4. Optional High Fault Short Circuit ratings for LC1-D40, -D50, -D65, -D80, -D95: Maximum 50kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 50kA rms symmetrical amperes at 600V sized not greater than 110 A for LC1-D40, -D50, -D65 or 175A for LC1-D80, -D95.

APPLICABLE REQUIREMENTS

- CAN/CSA C22.2 No.60947-1-13(R2018) - Low-Voltage Switchgear and Controlgear – Part 1: General Rules
- CAN/CSA C22.2 No.60947-4-1-14(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
80098987	2021-11-04	Update of report 164581-1231854 to cover addition of alternate recognized plastic material for front cover and Housing on model LC.D40-95 AC coils contactors and to update the name of manufacturer for plastic material type AFR450X2 and/or PZ0052E-PF1005 Z222.
80023170	2020-03-23	Reduce the thickness of the “contact” sublayer. Remove class number 3211-04.
70164182	2017-12-20	Update to report 164581-1231854 to cover addition of suffix S335, addition of alternate plastic material with same or better characteristic and addition of thickness.
70014855	2015-07-20	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 options; 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.
2737289	2014-07-04	Addition of alternate contact for “Movable Main Contact Assembly” and “Main Stationary Contact Assembly” for model LC1-D95 to the requirement of CAN/CSA C22.2 No.60947-4-1-14, CAN/CSA C22.2 60947-1-13 and CSA C22.2 No. 14-13.
2651219	2013-08-29	Addition of electric heating control rating for model LC1-D80 and update all products to CSA C22.2 No.14-13.
2582362	2012-12-13	Addition of nomenclature variation for customer reference
2572945	2012-11-20	Addition of high short-circuit rating: 100kA at 480Vac with a 150Amps circuit breaker CSA C22.2 No.14-10, CAN/CSA-C22.2 No 60947-1-07 and CAN/CSA-C22.2 No 60947-4-1-07 for type LC1- D80.
2358308	2010-10-19	Addition of alternate plastic materials for Housing and Front Cover of models LC1-D8011 and LC1-D9511.



2116482	2008-12-15	Addition of the electrical ratings for electric discharge lamp control (ballast) and incandescent lamp control (tungsten) on model LC1D80 (AC coil). Update report as per Notice Industrial Control Equipment no.17 and CAN/CSA C22.2 No.14-05.
1268669	2002-01-09	REVERSING CONTACTOR DC COIL, LC2-D09-D80, REPORT UPDATE LR 43364-69; NON.REV. LC1, D40-D95, REPORT -1231854 AND LC1 D09-D32, REPORT -1220361
1231854	2001-08-08	MATÉRIAU ALTERNATIF, AUXILIAIRE LD4-LC030, RAPPORT - 1155315, OPTION 'MAY BE RATED LESS' RAPPORT LR 43364-26