



Certificate of Compliance

Certificate: 1040445 **Master Contract:** 164581
Project: 80192521 **Date Issued:** 2024-04-22
Issued to: Telemecanique/Schneider Electric Industries SAS
31 rue Pierre Mendes-France
Eybens, Isere 38320
France

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



Issued by: *Emile Kenou*
Emile Kenou

PRODUCTS

C321104 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Magnetic
C321124 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers-Magnetic

Part A, C, D, E, F

AC Contactors and reversing contactors, open type with the following rating.

Model(s)	Electrical Rating
Cat. No. LC1D, LC2D and DPE	rated 600V ac max, 3 ph, 25 hp max, 52A thermal current max, operating coil 600V max, 50/60Hz or 575V dc max, auxiliary contact A600-P600 -continuous current 10A

Cat. No. LC1D, LC2D and DPE, size 09 to 38, followed by two-digit numbers may be followed by one-digit number, followed by one or two or three letters, may be followed by a digit number, may be followed by -S335 or -S207. Cat Nos. T02AN13, T02BN13, T02CN13, T02AN23, T02BN23, and T02CN23 followed by one or two letters, may be followed by a digit number. AC contactors, 4 pole version. No LC1DT and LC2DT a.c. and d.c. coils devices, size DT20 to DT40, followed by two-digit numbers may be followed by one-digit number, followed by one or two letters, may be followed by a digit number, may be followed by -S335 or -S207. Cat. No LC1D a.c. and d.c. coils devices, followed by two-digit numbers, followed by 8, may be followed by one-digit number, followed by one or two letters, may be followed by a digit number, may be followed by -S335 or -S207. Kits for reversing contactors Cat. No LAD9R1V and LAD9R1. Kits Cat. N° LADT9R1V and LADT9R1 for reversing contactors LC2DT. Kit Cat. N° LADT3R1 for reversing contactor Cat. N° LC2DT203.



Certificate: 1040445

Master Contract: 164581

Project: 80192521

Date Issued: 2024-04-22

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

Models	Voltage	Current	Cycles
LC1-D09	600	25	250,000
LC1-D12	600	25	250,000
LC1-D18	600	32	250,000
LC1-D25	600	40	250,000
LC1-D32	600	52	250,000
LC1-D38	600	52	250,000

Rating for refrigeration control:

Type	FLA	LRA 240V	LRA 480V	LRA 600V	FLA Cycles	LRA Cycle
LC1 D09	9 A	54 A	45 A	36 A	30 000 *	6000
LC1 D12	12	72	60	48	30 000 *	6000
LC1 D18	18	108	90	72	30 000 *	6000
LC1 D25	25	150	125	100	30 000 *	6000
LC1 D32	32	192	160	128	30 000 *	6000

*As manufacturer's option, the contactors Models marked have been further tested to 100,000 cycle FLA endurance after LRA overload test.

Suitable for Group Installation.

Cat. No. LC1D.3. and LC2.3. are provided with spring force terminal suitable for field wiring, suffix 3.

Cat. No. LC1D.9. and LC2.9. are provided with Faston quick connectors, suffix 9.

Cat. Nos. T02AN13 and T02BN13 are identical to the cat no. LC1D25 except that they are marked with different ratings as shown under "RATINGS" section in this report.

Cat Nos. T02A023 and T02BN23 are identical to cat no. LC2D25 except that they are marked with different ratings as shown under "RATINGS" section in this report.

Cat Nos. T02CN13 and T02CN23 are identical to the cat nos. LC1D32 and LC2D32, respectively, except that they are marked with different ratings as shown under "RATINGS" section in this report.

Auxiliary contacts rating: A600 - P600 Continuous current: 10A

Coil ratings: 600V a.c. maximum - 600V d.c. maximum

Special rating for LC1D09 and LC1DT20

Tungsten: 20A, 480Vac, 3 phases wye

Ballast: 20A, 600Vac, 1 phase; 20A, 600Vac, 3 phases wye

Special rating for LC1D12 and LC1DT25

Tungsten: 25A, 480Vac, 3 phases wye

Ballast: 25A, 600Vac, 1 phase; 25A, 600Vac, 3 phases wye



Certificate: 1040445

Master Contract: 164581

Project: 80192521

Date Issued: 2024-04-22

Special rating for LC1D18 and LC1DT32

Tungsten: 25A, 480Vac, 3 phases wye

Ballast: 32A, 600Vac, 1 phase; 32A, 600Vac, 3 phases wye

Special rating for LC1D25 and LC1DT40

Tungsten: 40A, 480Vac, 3 phases wye

Ballast: 40A, 600Vac, 1 phase; 40A, 600Vac, 3 phases wye

Special rating for LC2D25

Tungsten: 25A, 480Vac, 1 phase

Ballast: 25A, 480Vac, 1 phase

Special rating for LC1D32

Tungsten: 30A, 480Vac, 1 phase; 50A, 480Vac, 3 phases wye

Ballast: 30A, 480Vac, 1 phase; 50A, 600Vac, 1 phase; 50A, 600Vac, 3 phases wye

Special rating for LC2D32

Tungsten: 30A, 480Vac, 1 phase

Ballast: 30A, 480Vac, 1 phase

Notes:

1. Optional High Fault Short Circuit ratings for models DPE09, LC. D09, DPE12, LC. D12, DPE18: Maximum 85kA 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 35Amps.
2. Optional High Fault Short Circuit ratings for LC. D18, DPE25, LC. D25, DPE32, LC. D32, DPE38, LC. D38: Maximum 85kA 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 60Amps.
3. Optional High Fault Short Circuit ratings for models DPE09, LC. D09, DPE12, LC.D12, DPE18, LC.D18, DPE25: 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 35Amps.
4. Optional High Fault Short Circuit ratings for LC.D25, DPE32, LC.D32, DPE38, LC.D38: 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 60Amps.

**Where "LC.-D" is used, the dot in "LC.D" may be replaced by 1 or 2, such as LC1-D.

Part B

Contactors, elevator duty, open type with the following rating

Model(s)	Electrical Rating
LC1D12, LC1D18, LC1D25 and LC1D32	50/60Hz, 600V max, aux. Contact A600, P600, coil voltage 600Vac max, 600V dc max for LC1D32.

Notes:



Certificate: 1040445

Master Contract: 164581

Project: 80192521

Date Issued: 2024-04-22

1. Optional High Fault Short Circuit ratings for models LC1D12: Maximum 85kA 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 35Amps.
2. Optional High Fault Short Circuit ratings for LC1D25, LC1D32 : Maximum 85kA 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 60Amps.
3. Optional High Fault Short Circuit ratings for models, LC1D12: 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 35Amps.

Optional High Fault Short Circuit ratings for LC1D25, LC1D32: 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 60Amps.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 60947-1:22 (Third edition) - Low-voltage switchgear and controlgear — Part 1: General rules

CSA C22.2 NO. 60947-4-1:22 (Third Edition) - Low-voltage switchgear and controlgear — Part 4-1: Contactors and motor-starters — Electromechanical contactors and motor-starters

CSA C22.2 No. 14-18+Upd.1 (Thirteenth Edition)(R2022) - Industrial control equipment - Thirteenth Edition; Update No. 1: June 2022



Certificate: 1040445

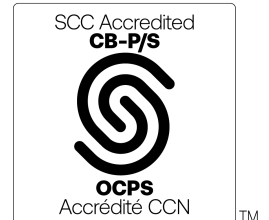
Project: 80192521

Master Contract: 164581

Date Issued: 2024-04-22

Notes:

Products certified under Class(es) C321104, C321124 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

Certificate: 1040445

Master Contract: 164581

*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
80192521	2024-04-22	Update report to cover addition of recognized alternate plastic material: Type A3X3G5 BMB for Base, Main terminal Cover, Auxiliary terminal Cover and arcing chamber Housing; Type LATAMID 66 H2 G/25-V0HF1 for Main terminal cover; Type LCPA-R40G2508 for Auxiliary terminal cover.
80150207	2023-03-15	Addition of alternate recognized plastic material for base and terminal cover (PART: A, B, C, D, E, F) and update of the manufacturers of polymeric materials.
80086578	2021-09-29	Update of report to cover addition of certified plastic material type Valox 420SE0 manufactured by Sabic Innovative to Part D (Cat. no. LC1D09, dc Coil) for item 4 (Coil-4A Bobbin).
80039496	2020-05-08	Addition of alternate design of spring used for contact return with magnetic spreader and body coil, (use single spring instead two separate springs). in accordance with CSA C22.2 No. 60947-4-1-14 and CSA C22.2 No. 14-18 as per CSA Notice No. 60.
70179638	2018-06-04	FIR Follow-up 235770180111 where report 1040445 needs to be updated to address Material variances
70105459	2017-04-25	Addition of electronic card for coil circuit of the contactors
70080132	2016-07-29	- Addition of new designation for (a.c) coils (-S335); - Addition of alternate plastic material for the following items: Base, Main Terminal Cover, Coil, Carrier and Housing.
70036609	2016-03-10	Add elevator duty ratings on contactor LC1D18. Update CSA report: 164581-1040445.
70014840	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 option for LC1D09, 12, 18, 25 and 32.



Certificate: 1040445

Master Contract: 164581

Project: 80192521

Date Issued: 2024-04-22

70008645	2015-03-10	Clarification of the contact size dimensions on the LC1D09, LC1D12, DPE09 and DPE12. CSA report: 164581-1040445. CSA product class 3211-04, 3211-24.
2651215	2013-08-29	Addition of electric heating control rating to model LC1-D09, -D12, -D18, -D25, -D32, -D38 and update all products to CSA C22.2 No.14-13.
2626256	2013-05-17	Minor correction on dimension of the clamp for model LC1D18 and DPE18.
2575284	2012-12-12	Addition of high short-circuit rating: 85kA at 480Vac with a 35Amps circuit breaker for model LC1D09 and with a 60Amps circuit breaker for model LC1D25 to the requirements CSA C22.2 No.14-10, CAN/CSA- C22.2 No 60947-1-07 and CAN/CSA-C22.2 No 60947-4-1-07.
2437441	2011-08-18	Add alternate plastic for carrier and main terminal cover
2272246	2010-03-19	Addition of alternate plastic materials for Base and Housing.
2116477	2009-06-12	Addition of the electrical ratings for electric discharge lamp control (ballast) and incandescent lamp control (tungsten) on model LC1D09, LC1D12, LC1D18, LC1D25, LC2D25, LC1D32, LC2D32, LC1DT20, LC1DT25, LC1DT32, LC1DT40.
1918796	2008-03-19	CSA report 1040445 update to add alternative plastic materials.
1992426	2008-01-25	Modification of alternate plastics types.
1898889	2007-04-17	CSA report 1040445 update to remove Standard B44.1-04.
1665721	2005-09-23	CSA verification and sample re-testing of factory #33, Hashik, India.
1469364	2003-09-08	Addition of class 2411 03. Elevator duty for contactor LC1-D32. History
1448385	2003-07-17	Addition of Series DPE.
1425879	2003-05-02	Addition of contactors KIWI, 4 poles with spring force terminals, models LC1DT203, LC1DT253, DT323, DT403, LC1D0983, D1283, D1883 and D2583.
1389368	2003-01-13	Addition of class 2411-03 Elevator duty for contactors LC-D12 and LC- D25.
1318405	2002-05-14	Contactors, LC1 DT09@ LC1 DT40, 4 pole terminals.



Certificate: 1040445

Master Contract: 164581

Project: 80192521

Date Issued: 2024-04-22

1040445	2002-01-21	Original Certification
1268665	2002-01-09	Alternate plastic material and report update.
1220378	2001-09-12	Contactora, addition of version LC.D099 and LC.D129, Faston quick connectors. Increase to 1 hp-120V ac of LC1D12, Faston version and clamp and screw.
1115851	2000-08-09	Addition of spring force terminal connections.