



Certificate: 1012476

Master Contract: 164581

Project: 80172747

Date Issued: 07/18/2023

DC resistive application, two sets of parallel connected contacts, interrupting both sides of the line

Models	Voltage (VAC max)	Current (A max)
LC1K09	24	14

Only applicable for PART A & B:

Provided with clamp and screw terminal or spring force connections, suitable for field installation.

Notes;

1. Optional High Fault Short Circuit ratings for model LC1K06, 100kA RMS at 600V when protected by Class J or CC fuses having an interrupting rating not less than 100kA rms symmetrical amperes at 600V sized not greater than 25Amps.
2. Optional High Fault Short Circuit ratings for models LC1K09 and LC1K12, 100kA RMS at 600V when protected by Class J or CC fuses having an interrupting rating not less than 100kA rms symmetrical amperes at 600V sized not greater than 30Amps.
3. Optional High Fault Short Circuit ratings for models LC1K06, LC1K09 and LC1K12, 65kA RMS at 480V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 65kA rms symmetrical amperes at 480V sized not greater than 20Amps.
4. Optional High Fault Short Circuit ratings for models LC1K06, LC1K09 and LC1K12, 25kA RMS at 600V when protected by thermal-magnetic circuit breaker having an interrupting rating not less than 25kA rms symmetrical amperes at 600V sized not greater than 20Amps.

CLASS 3211 24: PART C: Control relays Type CA2-KN, CA3-KN, CA4-KN and CAK... followed by S335 or S207

Models	Voltage (V ac/dc max)	Frequency (Hz)
CA2-KN, CA3-KN, CA4-KN, CAK...	600/250	50/60

CLASS 3211 23; PART D: Auxiliary contact block, Type LA1-KN. Coil suppressor, Type LA4-KA, LA4-KC and LA4-KE.

Models	Auxiliary Output	Voltage (V ac/dc max)
LA1-KN, LA4-KA, LA4-KC, LA4-KE	A600, Q600 (LA1-KN)	250V (other models)



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APPLICABLE REQUIREMENTS

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

May 31, 2022

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

May 31, 2022

CSA C22.2 No. 60947-5-1:22 (Second Edition) - Low-voltage switchgear and controlgear — Part 5-1: Control circuit devices and switching elements — Electromechanical control circuit devices

May 31, 2022



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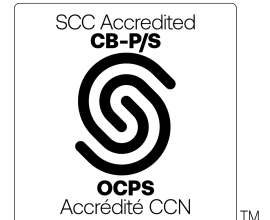
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Notes:

Products certified under Class C321123, 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

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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
80172747	July 18, 2023	Update of report 1012476 to correct the manufacturers for the alternate recognized plastic materials and to update report to CSA Notice No. 82 & 83 for industrial Control equipment.
80120004	June 13, 2022	Update to Report 1012476 to add alternative plastic material (page 8,23), change S35 to S335 (page 6), add alternative contact assembly(page 15, 17).
80080964	May 11, 2021	Addition of alternate recognized plastic material type Starflam AFR450X2 for item 1 (Base) to previously accepted material type Ultramid A3X3G5, page 9 and page 21 of report.
70212195	February 07, 2019	Addition of part number and alternate recognized plastic material of polyamide 66 type AFR450X2 for Housing (item 9) of AC mini-Contactors Cat. LP1-K06 and Control relays Cat. No. CA2-KN.
70186165	June 26, 2018	Addition of accepted, recognized alternate plastic material, type RF0067K manufactured by EUROSTAR ENGINEERING PLASTICS.
70133380	June 05, 2017	Update of report 164581-1012476 to cover addition of new specifications for railway and electro domestic application (S207 and S335 suffix). These new suffix are applicable for models LC1K..., LC2K... and CAK.... The construction for these applications are based respectively on model LP1/LP4..., LP2/LP5 and CA2-KN, CA3-KN, CA4-KN, with the same construction as the base model previously approved, except for certain plastic material added in this update. For these alternate plastics materials added, since the materials are recognized and have the same or better rating than the previous one, no tests were considered necessary. Adding a new standard CAN/CSA C22.2 No.60947-5-1-14 associate with class C3211-03 and C3211-23 for the products of part D of this report, no other tests were deemed necessary to cover this new applicable requirement since these new standards are a parallel alternative to the current standard C22.2 No.14-13(Reference: Informs No. I14-112).
70045867	October 28, 2015	Addition of alternate pin connections cover on the LP1-K06. CSA Report: 164581-1012476
70014834	March 24, 2015	Cover the additional short circuit rating at 600Vac.



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70008655	October 02, 2014	Add new reference number LP1K12015MDS35 et LP1K090085MDS35 and a minor modification on LA1-KN clamp dimensions based on LP1-K06 modifications. CSA Report: 164581-1012476. CSA product class 3211-04, 3211-24
2605734	March 13, 2013	Addition of alternate recognized plastic for cover and movable contact support.
2575285	December 19, 2012	Addition of high s-c rating of 100KA/600V (25 or 30A fuse), high s-c rating of 65kA/480Vac (20A breaker) for models LC1K06, LC1K09 and LC1K12 to CSA C22.2 No.14-10, CAN/CSA-C22.2 No 60947-1-07 and CAN/CSA-C22.2 No 60947-4-1-07.
2527495	June 28, 2012	Modification of the movable contact assembly and stationary.
2454742	September 08, 2011	Minor modification of core (permanent magnet and plates) dimensions.
2394847	February 28, 2011	Add alternate plastic material on coil support.
2361159	November 08, 2010	Add Alternate material for auxiliary contact block, type LA1-KN
2241767	November 27, 2009	Addition of alternate plastics for bobbin structure.
2022721	April 25, 2008	Addition of alternate plastic material. Addition of 120V 3 phases and 200/208V single phase ratings on model LCK3 and LPK3.
1943955	August 24, 2007	CSA report 1012476 update to add alternative plastic materials. AC min- contactors and reversing contactors, Series K, Types LC.K (ac coil). History
1220361	November 19, 2001	Alternate construction.
1115846	September 25, 2000	Use of alternate plastic material.
1012476	October 14, 1999	Increase of I _{ph} rating to 2hp - 230 Vac and addition of spring connection version. Report 164581-1012476 supersedes report LR 43364-93 Originally issued as 2500000773. LR 43364-143S 1998-05-15 Alternate plastic material for cat. No. LA1-KN... LR 43364-135S 1997-12-10 Report update LR 43364-111 1995-07-06 Series F contactors, addition of new cover LR 43364-65 and Series K minicontactor, addition of DC24V 14A rating (LR 43364-93). LR 43364-109 1995-02-10 Addition of AC electric heating (250,000 operations) rating for Series K miniature contactors. (LR 43364-93). LR 43364-104 1994-09-26 Series K mini contactors, addition of size K12 and coil suppressor LA4KA (LR 43364-93). NRTL/C



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Certification. LR 43364-93 1993-01-18 Original Certification. Report LR 43364-93 is superseded by report 164581-1012476.

43364143	May 15, 1998	LR 43364-143S : Alternate plastic material for cat. No. LA1-KN...
43364135	December 10, 1997	LR 43364-135S: Report update
43364111	July 06, 1995	LR 43364-111 : Series F contactors, addition of new cover LR 43364-65 and Series minicontactor, addition of DC24V 14A rating (LR 43364-93).
43364109	February 10, 1995	LR 43364-109: Addition of AC electric heating (250,000 operations) rating for Series K miniature contactors. (LR 43364-93).
43364104	September 26, 1994	LR 43364-104: Series K mini contactors, addition of size K12 and coil suppressor LA4KA (LR 43364-93). NRTL/C Certification.
4336493	January 18, 1993	LR 43364-93: Original Certification. Report LR 43364-93 is superseded by report 164581-1012476.