



Certificate of Compliance

Certificate: 1991351 **Master Contract:** 164581
Project: 80172748 **Date Issued:** 08/31/2023
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 with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Carlos Frazao
Carlos Frazao

PRODUCTS

C241103 ELEVATOR EQUIPMENT - Magnetic Motor Controllers
C241183 ELEVATOR EQUIPMENT - Magnetic Motor Controllers - Certified to US Standards
C321104 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Magnetic
C321124 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers-Magnetic
C321164 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers-Magnetic-Cert to US Stds
C321184 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers - Magnetic - Certified to US Standards

3 poles Contactor, Model LC1D and 3 poles reversing contactor LC2D, followed by 40, 50, 65 or 80, followed by A, may be followed by 3 or 6, may be followed by 5, followed by a two or three alpha-numeric digits.

Models

LC1D40, LC1D50, LC1D65, LC1D80, LC2D40, LC2D50, LC2D65, LC2D80

Operating coil 600Vac maximum, 440Vdc maximum, 50-60Hz; Maximum 3 phases rating 50hp at 600Vac; High short-circuit rating with Class J fuses: 100kA max at 600Vac max. High short-circuit rating with Thermo-Magnetic Circuit Breaker: 100kA at 480Vac, 50kA at



Certificate: 1991351

Master Contract: 164581

Project: 80172748

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600Vac.

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

Models	Voltage	Current	Cycles
LC1/ LC2D40	600V	80A	250,000
LC1 / LC2D50	600V	80A	250,000
LC1 / LC2D65	600V	80A	250,000
LC1 / LC2D80	600V	80A	250,000

Rating for refrigeration control:

Device	LRA 240V	LRA 480V	LRA 600V	Cycles
LC1D40	240	200	160	6000
LC1D50	300	250	200	6000
LC1D65	390	325	260	6000
LC1D80	390	325	260	6000

Special rating for LC1D40

Tungsten: 60A, 600Vac

Ballast: 60A, 600Vac

Elevator Duty: 5Hp max. at 240Vac max., 1 phase; 10Hp max. at 240Vac max, 3 phases

Special rating for LC1D50

Tungsten: 70A, 600Vac

Ballast: 70A, 600Vac

Elevator Duty: 7.5Hp max. at 240Vac max., 1 phase; 30Hp max. at 600Vac max, 3 phases

Special rating for LC1D65 and LC1D80

Tungsten: 70A, 600Vac

Ballast: 80A, 600Vac

Elevator Duty: 10Hp max. at 240Vac max., 1 phase; 30Hp max. at 600Vac max, 3 phases.

3 poles NEMA rated Contactor Model LC1D50ANR, followed by 0, 1 or 2, followed by two or three alpha-numeric digits.

LC1D50ANR, followed by 0, 1 or 2, followed by two or three alpha-numeric digits

Models
LC1D50ANR

3 poles Contactor, Model T02DN13 and 3 poles reversing contactor Model T02DN23

Models	Phase	Power (HP max)	Voltage (VAC)
T02DN13	1	3	120
	1	7.5	240
	3	10	208



Certificate: 1991351

Master Contract: 164581

Project: 80172748

Date Issued: 08/31/2023

	3	15	240
	3	25	480/600

4 poles Contactor, Model LC1DT followed by 60 or 80, followed by A, may be followed by 3 or 6, may be followed by 5, followed by a two or three alpha-numeric digits.

Models	Current (A max)	Short Circuit Rating	Voltage (VAC max)	Coil Rating (V max)	Coil Rating (VDC max)
LC1DT	80(General use)	50kA at 480V ac; 25kA at 600V ac (Max rating)	600	600	440

Mechanical Interlock catalogue number LAD4CM

Set of line and load connecting busbars catalogue number LA9D65A69.

Reversing Kit catalogue number LAD9R3 (Model LAD4CM + Model LA9D65A69)

Kit for Power Supply Switching catalogue number LAD9R3S

Side Mounting Auxiliary Adaptor kit catalogue number LAD4BB3

Busbars Kit catalogue number GV3S

Connector Assembly Kit for Ring Lug Connections catalogue number LAD96566

Safety cover for ring tongue terminal, 4 poles catalogue number LAD96580

Busbar kit for 4 poles contactors, catalogue number LAD65A70

Notes:

1. These devices are open type, magnetically operated contactors and reversing contactors rated 600 Vac max. 50/60 Hz with ac or dc coils and contactors accessories. These accessories are mechanical interlock, reversing bus bars kit, reversing kit, kit for power supply switching, mounting auxiliary adaptor, S shaped bus bars to connect side by side these contactors with the Model GV3 Self Protected Manual Motor Controller, connector assembly kits for ring tongue lug connections, safety cover for ring tongue terminals for 3 and 4 poles devices. They are provided with an auxiliary contact normally opened (NO) or normally closed (NC) rated A600, P600.
2. Model LC1D40A, LC1D50A, LC1D65A and LC1D80A: Suitable for group installation when used in combination with Schneider Electric / Telemecanique Manual Motor Controller GV3P40, GV3P50 and GV3P65 and protected by 300A max. fuses or circuit breaker at 50 000 rms symmetrical amperes maximum at 480Y/277V or 25 000 rms symmetrical amperes maximum at 600Y/347V.
3. Optional High fault ratings for models LCxDyyA: 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, rated not more than 110 Amps. Where x can be replaced by 1 or 2 and yy can be replaced by 40, 50 or 60. Also applies to model LC1D50ANR.
4. Optional High fault ratings for models LC1Dyy: Maximum 100kA RMS at 600V when protected by Class J fuses having an interrupting rating not less than 100kA rms symmetrical amperes at 600V, rated not more than 125 Amps. Where yy can be replaced by 40, 50 or 60.
5. Optional High fault ratings for models LCxDyyA: 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, rated not more than 110 Amps. Where x can be replaced by 1 or 2 and yy can be replaced by 40, 50 or 60. Also applies to model LC1D50ANR.



Certificate: 1991351

Master Contract: 164581

Project: 80172748

Date Issued: 08/31/2023

6. Contactors Models LC1D40, LC1D50, LC1D65 and LC1D80 have been tested for refrigeration rating suitable for part winding motor to 30 000 cycles at Full load current (FLA) and Lock rotor current (LRA) for simultaneously energized controllers.

Device	240V		480V		600V	
	FLA	LRA	FLA	LRA	FLA	LRA
LC1D40	40	240	40	200	40	160
LC1D50	50	300	50	250	50	200
LC1D65	65	390	65	325	52	208
LC1D80	65	390	65	325	52	208

7. Contactors Models LC1D40, LC1D50 and LC1D65 have been tested to 100,000 cycles for Full Load current endurance test at those full load current (FLA) for Make and Break.

Device	FLA	FLA Cycles
LC1D40	40	100 000
LC1D50	50	100 000
LC1D65	65	100 000
LC1D80	65	100 000



Certificate: 1991351

Master Contract: 164581

Project: 80172748

Date Issued: 08/31/2023

APPLICABLE REQUIREMENTS

UL 508 (Eighteenth Ed.) - Industrial Control Equipment

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

UL 60947-4-1 (Fourth Edition) - UL Standard for Safety Low-Voltage Switchgear and Controlgear – Part 4-1: Contactors and Motor-Starters – Electromechanical Contactors and Motor-Starters

UL 60947-1 (Sixth Edition) - Low-Voltage Switchgear and Controlgear – Part 1: General Rules

CSA C22.2 NO. 14-18 (Thirteenth Ed.) - CSA C22.2 NO. 14-18 - Industrial control equipment - Thirteenth Edition



Certificate: 1991351

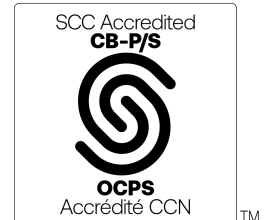
Master Contract: 164581

Project: 80172748

Date Issued: 08/31/2023

Notes:

Products certified under Class C241103, C241183, 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: 1991351

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
80172748	August 31, 2023	Update of report 1991351 to to correct the manufacturers for the alternate recognized plastic materials and to update report to CSA Notice No. 69, Informs No. 82 for Industrial Control Equipment.
80091429	October 27, 2021	Addition of alternate recognized plastic material type Frianyl or Nilamid A3 H GF25 V0 AXP 163, for (item 1 - Base) and type Vicnyl R61(f)NH for (item13 &14 – Upper & Lower Arc Chamber).
70212670	February 04, 2019	Update of report 164581-1991351 to cover addition of alternate plastic material for the connector assembly item 25 of LC1DT60A, minor modification of dimension and editorial clarification.
70145238	July 20, 2018	Addition of 4 poles models LC1DT60A, LC1DT80A associated with electronic ac/dc coils.
70180092	May 24, 2018	Update CSA report 164581-1991351.to cover addition of new ac coil codes B5, D5, E5 and P5 to variation III (Indicates Coil Voltage C ode) of nomenclature of model LC1D50ANR and to variation VII (Coil voltage code) of nomenclature of NEMA-Rated devices. Also addition of alternates recognized plastic material HTNFR52G35NHF, XT4 GF30V0I and new Part numbers to PCBA.
70171015	February 08, 2018	Ajout de la référence LC1D80. Mise à jour du rapport 164581-1991351
70105461	April 28, 2017	Addition of electronic card for coil circuit of the contactors
70056081	January 19, 2017	Decrease under layer thickness for mobil and stationary contact.
70036602	March 09, 2016	Add elevator duty ratings on contactor LC1D40A. Update CSA report: 164581-1991351.



Certificate: 1991351

Master Contract: 164581

Project: 80172748

Date Issued: 08/31/2023

70014859	July 21, 2015	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 alternate material.
2654183	September 13, 2013	Addition of coil voltage code to 24V ac, 60Hz for Contactors Models LC1D, LC2D, Series 40, 50, 65.
2651218	September 09, 2013	Addition of electric heating control rating to model LC1D40, D50, D65, LC2D40, D50, D65 and update all products to CSA C22.2 No.14-13.
2568626	October 26, 2012	Addition of high short-circuit rating: 100kA at 480Vac with a 110Amps circuit breaker per CSA C22.2 No.14-10, CAN/CSA-C22.2 No 60947-1-07, CAN/CSA-C22.2 No 60947-4-1-07, UL 60947-1 and UL 60947-4-1A for LC1D and LC2D contactor AC coil series.
2446465	September 02, 2011	Add alternate plastic material on DIN rail support. Addition of busbar kit model LAD65A70
2225244	October 02, 2009	Add elevator rating on model LC1D50 and LC1D65. New Certification cCSAus.
2152061	April 21, 2009	Add rating for group installation.
2099154	November 18, 2008	Addition of the electrical ratings for electric discharge lamp control (ballast) and incandescent lamp control (tungsten) on model LC1D40, LC1D50 and LC1D65. Increase short-circuits current for LC1D and LC2D models.
1991351	February 13, 2008	New certification: Contactors series LC1D, LC2D and LC1DT.