



# Certificate of Compliance

**Certificate:** 1040396 **Master Contract:** 164581  
**Project:** 80156162 **Date Issued:** 04/16/2023  
**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*



**Issued by:** *Emile Kenou*  
Emile Kenou

## PRODUCTS

C321123 INDUSTRIAL CONTROL EQUIPMENT - Motor Controllers-Auxiliary Devices

**Thermal overload relays, class 10, open type, manual and automatic reset. Cat. No. LRD (differential) and LR3D (non differential) followed by two digit numbers (01 through 08, 10, 12, 14, 16, 21, 22, 32 or 35) may be followed by one digit number, ambient compensated. Adapter, Cat. No. LAD7B106 and LAD7B10, and wiring kits Cat. No. LAD7C1 and LAD7C2, with the following ratings:**

Models	Electrical Rating
Cat. No. LRD (differential) and LR3D (non differential)	Auxiliary contacts: B600-R300 continuous current 5A, 16 trip range; from range 0.1-0.16A to range 30-38A.

**Thermal overload relays, class 20, open type, manual and automatic reset. Cat. No. LRD (differential) and LR3D (non differential) followed by two digit numbers (04 through 08, 10, 12, 14, 16, 21, 22 or 32), followed by L, may be followed by one digit number, ambient compensated. Adapter, Cat. No. LAD7B205 and 9065SAD75. Wiring kits Cat. No. LAD7C1 and LAD7C2, with the following ratings**

Models	Electrical Rating
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Cat. No. LRD (differential) and LR3D (non differential)	Auxiliary contacts: B600-R300 continuous current 5A, 12 trip range; from range 0.4-0.63A to range 23-32A.
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**Note:**

For Standard short-circuit rating:

- Suitable for use on a circuit capable of delivering not more than 5000 RMS symmetrical amperes, 600Vac maximum, when protected by fuses or Circuit breakers.

For optional High short-circuit rating:

High Short circuit withstand rating protected by fuses, reference of C22.2 No. 14 Cl 5.45, "Suitable for use on a circuit capable of delivering not more than 100 000 (or rated current) RMS symmetrical amperes at 600V when protected by a fuses with a maximum rating of (A) and by (B) class fuses."

Where (A) represents the maximum rated fuses and (B) represents the class fuse, see illustrations no 5 to 6.

High Short circuit withstand rating protected by circuit breakers, reference of C22.2 No. 14 Cl 5.45, "Suitable for use on a circuit capable of delivering not more than 65 000 (or rated current) RMS symmetrical amperes at 480V when protected by a circuit breaker with a maximum rating of (C) having an interrupting rating not less than 65 000 (or rated current) RMS symmetrical amperes at 480V."

Where (C) represents the maximum rated circuit breaker, see illustrations no 5 to 6.

High Short circuit withstand rating protected by circuit breakers, reference of C22.2 No. 14 Cl 5.45, "Suitable for use on a circuit capable of delivering not more than 50 000 (or rated current) RMS symmetrical amperes at 600V when protected by a circuit breaker with a maximum rating of (C) having an interrupting rating not less than 50 000 (or rated current) RMS symmetrical amperes at 600V."

Where (C) represents the maximum rated circuit breaker, see illustrations no 5 to 6.

Optional High fault ratings:

Maximum 65kA RMS at 480V when protected by thermal magnetic circuit breaker rated not more than shown in the table below.

Maximum 50kA RMS at 600Vac when protected by thermal-magnetic circuit breaker rated not more than shown in the table below.

Maximum 100kA RMS at 600V when protected by class CC or class J fuses rated not more than shown in the table below.

Overload Cat. Nos.	Overload Cat. Nos.	Maximum Circuit Breaker Ampacity	Maximum Class J or CC Fuse Ampacity
LRD04L through LRD07L & LR3D04L through LR3D07L	LRD01 through LRD07 & LR3D01 through LR3D07	15	10



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LRD08L, LR3D08L	LRD08, LR3D08	15	15
LRD10L, LR3D10L	LRD10, LR3D10	15	20
LRD12L, LR3D12L	LRD12, LR3D12	15	30
LRD14L, LR3D14L	LRD14, LR3D14	20	40
LRD16L, LR3D16L	LRD16, LR3D16	25	50
LRD21L, LR3D21L	LRD21, LR3D21	35	60
LRD22L, LR3D22L	LRD22, LR3D22	45	60
LRD32L, LR3D32L	LRD32, LR3D32	60	80
--	LRD35, LR3D35	70	100

- LRD32L is not applicable with LC1D32 at 10HP under 200-208V(Wye)



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**APPLICABLE REQUIREMENTS**

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

Third edition through 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

Third edition through May 31 2022



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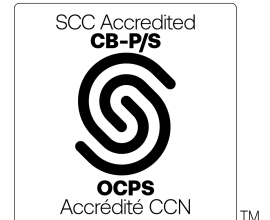
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**Notes:**

Products certified under Class C321123 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80156162	April 16, 2023	Update Report 164581-1040396, Thermal overloadrelays Cat. No. LRD, LR3D (followed by suffixes), for markings of accessories: Wiring kit Cat. No. LAD7C1, LAD7C2, to appear on the smallest package according to "Agreement in Lieu of the CSA Mark on a Certified Product" duly signed by Submitter and Factory (manufacturer); to CSA C22.2 Nos. 60947-1:22 (Third Edition) and 60947-1:22(Third Edition) according to Cert. Informs - Ind. Control Equip. No. 82.
80111494	March 03, 2022	Update to Report 1040396 to change contact material from copper alloy to silver nickel tip 90/10 and update to the latest standard requirements.
80070407	February 10, 2021	Update to Report 1040396 for addition of recognized alternate plastic material for front cover (item 3), for thermal overload relay LRD and LR3D. CSA Class number 3211-03 is removed.
70080027	June 29, 2016	Update to Report 1040396 for addition of model LAD7B10 and addition of alternate bimetal compensation.
70014838	March 25, 2015	Update to Report 1040396 to cover the additional short circuit rating at 600Vac.
70008663	September 26, 2014	Update to Report 1040396 for addition of alternate plastic material on housing and contact lever.
2649498	August 13, 2013	Update to Report 1040396 for addition of thermal overload relay series LRD, LR3D class 20 and adapter Cat.Nos LAD7B205.
2585325	January 16, 2013	Update to Report 1040396 for revision of heating element on overload relays on submittor's on models LRD08, LRD16 and LRD22.
2565317	October 07, 2012	Update to Report 1040396 to add High Short-circuit rating: 65kA at 480Vac and 100kA at 600Vac.



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2407143	March 16, 2011	Update to Report 1040396 to add alternate plastic material on base and contact lever.
2333707	July 30, 2010	Update to Report 1040396 to remove reference LRD.3. and LR3D.3. Alternate material K230 and SP23C for bimetal compensation.
2214299	September 17, 2009	Update to Report 1040396 for addition of alternate plastic for the base and contact lever.
2022712	April 23, 2008	Update to Report 1040396 to add alternate plastic material.
1732746	January 13, 2006	Update to Report 1040396 to add modifications.
1574687	July 29, 2004	Update to Report 1040396 to add new terminal block, Model LAD7B106.
00001345346	August 16, 2002	Update to Report 1040396 for alternate plastic materials. SUPERSEDED
00001268665	January 09, 2002	Update to Report 1040396 for alternate construction - auxiliary contactor, Cat. Nos. CA2-DN/CA3.... SUPERSEDED REPORT LR 43364-29.
00001115851	August 09, 2000	Update to Report 1040396 for addition of overload relay.
00001040396	January 21, 2000	Original Certification of Thermal overload relays, LRD.. and LR3D.. (project KIWI) adapter LAD7... Class 10. Addition of factory F26;6-8 rue Bailly, Dijon and F27; DMS-Scionzier.
00001040396	January 21, 2000	Original Certification of Thermal overload relays, LRD.. and LR3D.. (project KIWI) adapter LAD7... Class 10. Addition of factory F26;6-8 rue Bailly, Dijon and F27; DMS-Scionzier.

LR 43364-40