Ref. Certif. No.

**FR_707035**

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

| | |
|---|---|
| Product | **Thermal overload relay** |
| Name and address of the applicant | **SCHNEIDER ELECTRIC INDUSTRIES SAS**<br>35, rue Joseph Monier<br>92500 RUEIL MALMAISON- FRANCE |
| Name and address of the manufacturer | **SCHNEIDER ELECTRIC INDUSTRIES SAS**<br>31 rue Pierre Mendès-France<br>38320 EYBENS- FRANCE |
| Name and address of the factory | **SCHNEIDER ELECTRIC FRANCE**<br>6 - 8 rue du Bailly, BP 97812-21078 DIJON Cedex- FRANCE |
| Note: *When more than one factory, please report on page 2* | ☐ Additional Information on page 2 |
| Ratings and principal characteristics | See annex 1 |
| Trademark / Brand (if any) | Schneider Electric |
| Customer's Testing Facility (CTF) Stage used | / |
| Model / Type Ref. | LRDxxy, LR3Dxxy series<br>xx = 01, 02, 03, 04, 05, 06, 07, 08, 10, 12, 14, 16, 21, 22, 32, 35.<br>y= none for screw terminals ;<br>y= 3 for spring terminals (except xx=32 and xx=35)<br>y= 6 for ring lug terminals<br>see Annex 1 |
| Additional information (if necessary may also be reported on page 2) | Auxiliary contacts comply with IEC 60947-5-1 :2016<br><br>Supersedes CBTC FR 659446A/A1 dated 09/03/2015. Update further to the evolution of the standard(s)<br>☐ Additional Information on page 2 |
| A sample of the product was tested and found to be in conformity with | IEC 60947-4-1:2018 |
| As shown in the Test Report Ref. No. which forms part of this Certificate | 129163-659446A-Cr150306, 1911990011 |

This CB Test Certificate is issued by the National Certification Body

LCIE – Laboratoire Central des Industries Electriques
33, avenue du Général Leclerc – BP8
FR 92 266 Fontenay aux Roses Cedex
www.lcie.fr

LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Date: 29/11/2019

Signature: Julien GAUTHIER
Certification Officer

# ANNEX 1

**References, ratings and main characteristics:**

| | |
|---|---|
| References | **References with screw terminals:**<br>LRD01, LRD02, LRD03, LRD04, LRD05, LRD06, LRD07, LRD08, LRD10, LRD12, LRD14, LRD16, LRD21, LRD22, LRD32, LRD35.<br>LR3D01, LR3D02, LR3D03, LR3D04, LR3D05, LR3D06, LR3D07, LR3D08, LR3D10, LR3D12, LR3D14, LR3D16, LR3D21, LR3D22, LR3D32, LR3D35<br><br>**References with spring terminals:**<br>LRD013, LRD023, LRD033, LRD043, LRD053, LRD063, LRD073, LRD083, LRD103, LRD123, LRD143, LRD163, LRD213, LRD223.<br>LR3D013,LR3D023, LR3D033, LR3D043, LR3D053, LR3D063, LR3D073, LR3D083, LR3D103, LR3D123, LR3D143, LR3D163, LR3D213, LR3D223<br><br>**References with ring terminals:**<br>LRD016, LRD026, LRD036, LRD046, LRD056, LRD066, LRD076, LRD086, LRD106, LRD126, LRD146, LRD166, LRD216, LRD226, LRD326, LRD356.<br>LR3D016, LR3D026, LR3D036, LR3D046, LR3D056, LR3D066, LR3D076, LR3D086, LR3D106, LR3D126, LR3D146, LR3D166, LR3D216, LR3D226, LR3D326, LR3D356 |
| Rated operational current (Ie ) | 0,1-0,16A, 0,16-0,25A, 0,25-0,4A, 0,4-0,63A, 0,63-1A, 1-1,6A, 1,6-2,5A, 2,5-4A, 4-6A, 5,5-8A, 7-10A, 9-13A, 12-18A, 16-24A, 23-32A, 30-38A |
| Trip class | 10A |
| Dependent of previous load | Yes |
| Compensated for ambient temperature | Yes |
| Sensitive to phase loss | LRD series: Yes;<br>LR3D series : No |
| Terminals | Screw, Spring, ring-lug |
| **Main circuit** | |
| Kind of current | AC |
| Rated frequency | 50/60Hz |
| Number of poles | 3 |
| Rated operational voltage Ue | 690VAC |
| Rated insulation voltage Ui | 690V |
| Rated impulse withstand voltage Uimp | 6kV |
| **Auxiliary circuit** | |
| Conventional free air thermal current Ith | 5A |
| Number of circuits | 2 |
| Number and kind of contact elements | 1NC ,1NO |
| Rated insulation voltage Ui | 690V |
| Rated impulse withstand voltage Uimp | 6kV |
| Rated frequency | 50/60Hz |
| Utilization category | AC-15,DC-13 |
| Ie/Ue | AC-15: 3A/120VAC, 0,72A/500VAC, 0,12A/600VAC, 0,09A/690VAC<br>DC-13: 0,22A/125VDC , 0.06A /440VDC |

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