



Ref. Certif. No.

FR_721617

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
35, rue Joseph Monier 92500 RUEIL MALMAISON - FRANCE

Name and address of the manufacturer

SCHNEIDER ELECTRIC INDUSTRIES SAS
35, rue Joseph Monier, 92500 RUEIL MALMAISON - FRANCE

Name and address of the factory

Schneider (Thailand) limited
540 SOI 9 Bangpoo Industrial Estate, Sukhumvit Road, Muang District, SAMUTPRAKARN 10280 - THAILAND

Note: When more than one factory, please report on page 2

☐ Additional Information on page 2

Ratings and principal characteristics

Ue: max 690V AC
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

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF2

Model / Type Ref.

LRDxxy, LR3Dxxy

xx = 01, 02, 03, 04, 05, 06, 07, 08, 10, 12, 14, 16, 21, 22, 32, 35.
y= none for screw terminals ;
y= 3 for spring terminals (except xx=32 and xx=35)
y= 6 for ring lug terminals
See Annex

Additional information (if necessary may also be reported on page 2)

Supersedes CBTC FR_707024 dated 29/11/2019.
Update further to the evolution of the standard(s)

☐ Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60947-4-1:2023
IEC 60947-5-1:2024

As shown in the Test Report Ref. No. which forms part of this Certificate

25119Y90005-01
25119Y90005-02

This CB Test Certificate is issued by the National Certification Body



LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE
33 avenue du Général Leclerc
92260 Fontenay-aux-Roses, FRANCE
www.lcie.fr

Date: 14/05/2025

Signature: **Julien GAUTHIER**

Certification Officer



ANNEX

References, ratings and main characteristics:

Connection by Screw clamp terminals		Connection by Spring terminals		Connection by Ring lug terminals	
Reference	Current range I _e (A)	Reference	Current range I _e (A)	Reference	Current range I _e (A)
LRD01 / LR3D01	0.1-0.16	LRD013 / LR3D013	0.1-0.16	LRD016 / LR3D016	0.1-0.16
LRD02 / LR3D02	0.16-0.25	LRD023 / LR3D023	0.16-0.25	LRD026 / LR3D026	0.16-0.25
LRD03 / LR3D03	0.25-0.4	LRD033 / LR3D033	0.25-0.4	LRD036 / LR3D036	0.25-0.4
LRD04 / LR3D04	0.4-0.63	LRD043 / LR3D043	0.4-0.63	LRD046 / LR3D046	0.4-0.63
LRD05 / LR3D05	0.63-1	LRD053 / LR3D053	0.63-1	LRD056 / LR3D056	0.63-1
LRD06 / LR3D06	1-1.6	LRD063 / LR3D063	1-1.6	LRD066 / LR3D066	1-1.6
LRD07 / LR3D07	1.6-2.5	LRD073 / LR3D073	1.6-2.5	LRD076 / LR3D076	1.6-2.5
LRD08 / LR3D08	2.5-4	LRD083 / LR3D083	2.5-4	LRD086 / LR3D086	2.5-4
LRD10 / LR3D10	4-6	LRD103 / LR3D103	4-6	LRD106 / LR3D106	4-6
LRD12 / LR3D12	5.5-8	LRD123 / LR3D123	5.5-8	LRD126 / LR3D126	5.5-8
LRD14 / LR3D14	7-10	LRD143 / LR3D143	7-10	LRD146 / LR3D146	7-10
LRD16 / LR3D16	9-13	LRD163 / LR3D163	9-13	LRD166 / LR3D166	9-13
LRD21 / LR3D21	12-18	LRD213 / LR3D213	12-18	LRD216 / LR3D216	12-18
LRD22 / LR3D22	16-24	LRD223 / LR3D223	16-24	LRD226 / LR3D226	16-24
LRD32 / LR3D32	23-32	/	/	LRD326 / LR3D326	23-32
LRD35 / LR3D35	30-38	/	/	LRD356 / LR3D356	30-38



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Number of poles	3P
Method of operation	Thermal
Rated frequency	50/60Hz
Rated operational voltage U_e (V)	Max 690V
Rated insulation voltage: U_i (V)	690V
Rated impulse withstand voltage U_{imp} (kV)	6kV
Rated operational current I_e (A)	See above table
Trip class	Class 10A
Rated prospective short-circuit current "r" (kA)	1kA ,3 kA
Rated conditional short-circuit current I_q (kA)	Same as current "r" at 690Vac 80kA at 440Vac
Type of co-ordination	Type 2
Auxiliary contact	1NO, INC U_i : 690V, U_{imp} : 6kV I_{th} : 5A AC-15 : I_e/U_e : 3A/120VAC, 0.72A/500VAC, 0.12A/600VAC, 0.09A/690 V AC DC-13 : I_e/U_e : 0.22A/125VDC , 0.06A /440VDC



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ANNEX

Type explanation

LRD/LR3D	xx	y
I	II	III

I	Designates Basic Model LRD: Differential Type (Sensitive to phase loss) LR3D: Non-differential Type (Non-sensitive to phase loss)
II	Designates thermal trip setting range (A) 01- 0.1-0.16 A 02- 0.16-0.25 A 03- 0.25-0.4 A 04- 0.4-0.63 A 05- 0.63-1A 06- 1-1.6 A 07- 1.6-2.5 A 08- 2.5-4 A 10- 4-6 A 12- 5.5-8 A 14- 7-10 A 16- 9-13 A 21- 12- 18A 22- 16- 24A 32- 23-32A 35- 30-38 A
III	Designates Type of Terminations None: Screws terminals 3: Spring terminals (except xx=32 and xx=35) 6: Ring lugs terminals



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