



# TYPE APPROVAL CERTIFICATE

N. **ELE151421CS**

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA Type Approval system.

<b>Description</b>	<b>Thermal overload relay</b>	
<b>Type</b>	LRD01 to LRD35: Differential - Class 10A - screw clamp terminals LRD013 to LRD223: Differential - Class 10A - spring terminals connection LRD016 to LRD356: Differential - Class 10A - lug clamp terminals LR3D01 to LR3D35 : Unbalanced loads - Class 10A - screw clamp terminals LR3D013 to LR3D223: Unbalanced loads - Class 10A - spring terminals connection LR3D016 to LR3D356: Unbalanced loads - Class 10A - lug clamp terminals	
<b>Applicant</b>	<b>Schneider Electric Industries SAS</b> 31 Rue Pierre Mendès 38050 Eybens – Grenoble Cedex 9 France	
<b>Manufacturers</b>	<b>Schneider Electric France</b> 6 – 8 rue De Bailly BP 97812 21078 Dijon Cedex France	<b>Schneider Thailand Limited</b> 540 Soi 9 Bangpoo Industrial Estate, Sukhumvit Road, Muang District, Samutprakarn 10280, Thailand
<b>Testing Standards</b>	<b>IEC 60947-4-1: 2018 ; IEC 60947-5-1:2016</b>	

Issued in **Genova** on **April 22, 2021**

This Certificate is valid until **April 22, 2026**

**RINA Services S.p.A.**

*Luigi Benedetti*





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### Thermal overload Relay

Screw terminals	LRD01, LRD02, LRD03, LRD04, LRD05, LRD06, LRD07, LRD08, LRD10, LRD12, LRD14, LRD16, LRD21, LRD22, LRD32, LRD35 LR3D01, LR3D02, LR3D03, LR3D04, LR3D05, LR3D06, LR3D07, LR3D08, LR3D10, LR3D12, LR3D14, LR3D16, LR3D21, LR3D22, LR3D32, LR3D35					
Spring terminals	LRD013, LRD023, LRD033, LRD043, LRD053, LRD063, LRD073, LRD083, LRD103, LRD123, LRD143, LRD163, LRD213, LRD223 LR3D013, LR3D023, LR3D033, LR3D043, LR3D053, LR3D063, LR3D073, LR3D083, LR3D103, LR3D123, LR3D143, LR3D163, LR3D213, LR3D223					
Ring terminals	LRD016, LRD026, LRD036, LRD046, LRD056, LRD066, LRD076, LRD086, LRD106, LRD126, LRD146, LRD166, LRD216, LRD226, LRD326, LRD356 LR3D016, LR3D026, LR3D036, LR3D046, LR3D056, LR3D066, LR3D076, LR3D086, LR3D106, LR3D126, LR3D146, LR3D166, LR3D216, LR3D226, LR3D326, LR3D356					
Current setting	0,1-0,16 ; 0,16-0,25 ; 0,25-0,40 ; 0,40-0,63 ; 0,63-1 ; 1-1,6 ; 1,6-2,5 ; 2,5-4 ; 4-6 ; 5,5-8 ; 7-10 ; 9-13 ; 12-18 ; 16-24 ; 23-32 ; 30-38					
Overload tripping class:	10 A					
Compensated for ambient temperature	Yes					
Sensitive to phase loss	LRD series: Yes LR3D series: No					
<b>Main circuit</b>						
Kind of current	AC					
Rated frequency	50 / 60 Hz					
Number of Poles	3					
Rated insulation voltage (Ui)	690V					
Rated impulse withstand voltage (Uimp)	6 kV					
<b>Auxiliary contact</b>						
Number of circuits	2 integrated contacts					
Kind of contact element	1 NO and 1 NC					
Conventional free air thermal current	5A					
Rated insulation voltage (Ui)	690V					
Rated impulse withstand voltage (Uimp)	6 kV					
Rated frequency	Vdc and Vac (25 up to 400 Hz)					
Category	AC15				DC13	
Rated operational voltage (Ue)	120Vac	500Vac	600Vac	690 Vac	125Vdc	440Vdc
Rated operational current (Ie)	3.0 A	0,72 A	0,12 A	0,09 A	0,22 A	0,06 A

LCIE CB Test Certificates: FR\_659446A/A1 (2015.03.09); FR659446B/A1 (2015.03.09)

### Update 22.04.2021

LCIE CB Test Certificate: FR\_707035 (29.11.2019) \_ IEC 60947-4-1:2018 \_ Auxiliary contacts comply with IEC 60947-5-1:2016

LCIE Test Report: 1911990011 (2019-09-26)\_ IEC60947-4-1:2018

LCIE Test Report: 129163-659446A-Cr150306 (March 06, 2015) IEC60947-4-1:2009+A1:2012

