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.

Description	**Thermal overload relay**	
Type	**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**
Applicant	**Schneider Electric Industries SAS** 31 Rue Pierre Mendès 38050 Eybens – Grenoble Cedex 9 France	
Manufacturers	**Schneider Electric France** 6 – 8 rue De Bailly BP 97812 21078 Dijon Cedex France	**Schneider Thailand Limited** 540 Soi 9 Bangpoo Industrial Estate, Sukhumvit Road, Muang District, Samutprakarn 10280, Thailand
Testing Standards	**IEC 60947-4-1: 2018 ; IEC 60947-5-1:2016**	

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

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

RINA Services S.p.A.

Luigi Benedetti

TYPE APPROVAL CERTIFICATE

N. ELE151421CS

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**
Main circuit	
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**
Auxiliary contact	
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

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