National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 1 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Dielectric Properties (Impulse Test)	IEC 60947-2
2	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Dielectric Properties (Impulse Test)	IS/IEC 60947-2
3	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Dielectric properties	IEC 60947-2
4	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Dielectric properties	IS/IEC 60947-2
5	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Mechanical operation and operational performance capability	IEC 60947-2
6	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Mechanical operation and operational performance capability	IS/IEC 60947-2
7	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Rated service short circuit breaking capacity (upto 10kA rms)	IEC 60947-2
8	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Rated service short circuit breaking capacity (upto 10kA rms)	IS/IEC 60947-2
9	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Rated ultimate short-circuit breaking capacity (upto 10kA rms)	IEC 60947-2
10	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Rated ultimate short-circuit breaking capacity (upto 10kA rms)	IS/IEC 60947-2
11	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Tripping limits and characteristics	IEC 60947-2
12	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Tripping limits and characteristics	IS/IEC 60947-2
13	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verfication of operational performance capability	IEC 60947-2

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 2 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
14	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verfication of operational performance capability	IS/IEC 60947-2
15	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verification of dielectric withstand	IEC 60947-2 AMD1
16	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verification of dielectric withstand	IS/IEC 60947-2
17	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verification of temperature rise	IS/IEC 60947-2
18	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verification of temperature-rise	IEC 60947-2
19	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verification of the main contact position	IEC 60947-2
20	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Verification of the main contact position	IS/IEC 60947-2
21	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Verification of Insulating properties	IEC 60269-1
22	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Temperature rise verification	IEC 60269-1
23	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Temperature rise verification	IEC 60269-2
24	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Verification of conventional non-fusing and fusing current	IEC 60269-1
25	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Verification of I2t characteristics and overcurrent selectivity	IEC 60269-1
26	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Verification of Insulating properties	IEC 60269-2
27	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Verification of the cut-off current characteristics	IEC 60269-1 AMD2

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Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 3 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
28	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Fuses	Verification of the cut-off current characteristics	IEC 60269-1
29	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Performance at reduced short-circuit currents	IS/IEC 60898-1
30	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Clearances and creepage distances (external parts only)	IEC 60898-1
31	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Clearances and creepage distances (external parts only)	IS/IEC 60898-1
32	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Dielectric strength of the main circuit	IEC 60898-1
33	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Dielectric strength of the main circuit	IS/IEC 60898-1
34	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuit	IEC 60898-1
35	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuits	IEC 60898-1
36	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuits	IS/IEC 60898-1
37	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Insulation resistance of the main circuit	IEC 60898-1
38	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Insulation resistance of the main circuit	IS/IEC 60898-1
39	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Mechanical and electrical endurance	IS/IEC 60898-1
40	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Mechanical and electrical endurance	IEC 60898-1

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 4 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
41	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Performance at rated making and breaking capacity (Icn1) on an individual pole of multipole circuit-breakers	IS/IEC 60898-1
42	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Performance at rated short-circuit capacity (Icn)	IS/IEC 60898-1
43	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Performance at rated short-circuit capacity (Icn)	IEC 60898-1
44	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Performance at reduced short-circuit currents	IEC 60898-1
45	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Resistance to abnormal heat and to fire	IEC 60898-1
46	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Resistance to abnormal heat and to fire	IS/IEC 60898-1
47	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Resistance to humidity	IEC 60898-1
48	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Resistance to humidity	IS/IEC 60898-1
49	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Service short-circuit capacity (Ics)	IEC 60898-1
50	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Service short-circuit capacity (Ics)	IS/IEC 60898-1
51	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Short-circuit performance at 1500 A	IEC 60898-1
52	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Short-circuit performance at 1500 A	IS/IEC 60898-1
53	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Short-circuit test for verifying the suitability of circuit-breakers for use in IT systems	IEC 60898-1

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 5 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

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54	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Short-circuit test for verifying the suitability of circuit-breakers for use in IT systems	IS/IEC 60898-1
55	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Temperature Rise Test	IEC-60898-1
56	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Test of dielectric properties	IEC 60898-1
57	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Test of dielectric properties	IS/IEC 60898-1
58	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Test of instantaneous tripping, of correct opening of the contacts and of the trip-free function	IEC 60898-1
59	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Test of instantaneous tripping, of correct opening of the contacts and of the trip-free function	IS/IEC 60898-1
60	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Test of Temperature rise & measurement of power loss	IEC 60898-1
61	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Test of Temperature rise & measurement of power loss	IS/IEC 60898-1
62	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Tripping characteristic	IS/IEC 60898-1
63	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Verification of circuit-breaker after short-circuit tests	IEC 60898-1
64	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Verification of clearances with the impulse withstand voltage	IEC 60898-1
65	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Verification of clearances with the impulse withstand voltage	IS/IEC 60898-1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 6 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

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66	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Verification of resistance of the insulation of open contacts and basic insulation against an impulse voltage in normal conditions	IEC 60898-1
67	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Miniature Circuit Breaker	Verification of the circuit-breaker after short-circuit tests	IS/IEC 60898-1
68	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Minitature Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuit	IS/IEC 60898-1
69	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Resistance of the insulation of open contacts and basic insulation against an impulse voltage in normal conditions"	IEC 61009-1
70	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Resistance of the insulation of open contacts and basic insulation against an impulse voltage in normal conditions"	IS 12640-2
71	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Short-circuit test for verifying the suitability of RCBOs for use in IT systems (Verification of the RCBO after short-circuit tests)"	IEC 61009-1
72	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Short-circuit test for verifying the suitability of RCBOs for use in IT systems (Verification of the RCBO after short-circuit tests)"	IS 12640-2
73	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Verification of clearances with the impulse withstand voltage"	IEC 61009-1
74	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Verification of clearances with the impulse withstand voltage"	IS 12640-2
75	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Verification of the behaviour of components bridging the basic insulation"	IEC 61009-1
76	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	"Verification of the behaviour of components bridging the basic insulation"	IS 12640-2

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 7 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

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77	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Clearance and creepage distances (internal parts)	IEC 61009-1
78	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Clearance and creepage distances (internal parts)	IS 12640-2
79	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Clearances and creepage distances (external parts only)	IEC 61009-1
80	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Clearances and creepage distances (external parts only)	IS 12640-2
81	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Dielectric Properties (Impulse Test)	IEC 61009-1
82	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Dielectric Properties (Impulse Test)	IS 12640-2
83	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Dielectric strength of the main circuit	IEC 61009-1
84	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Dielectric strength of the main circuit	IS 12640-2
85	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance and dielectric strength of auxiliary circuits	IEC 61009-1
86	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance and dielectric strength of auxiliary circuits	IS 12640-2
87	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance and dielectric strength of auxiliary circuits	IS 12640-2
88	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance and dielectric strength of auxiliary circuits	IEC 61009-1
89	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance of the main circuit	IEC 61009-1
90	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance of the main circuit	IS 12640-2

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Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 8 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

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91	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance of the main circuit	IEC 61009-1
92	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Insulation resistance of the main circuit	IS 12640-2
93	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Mechanical and electrical endurance	IEC 61009-1
94	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Mechanical and electrical endurance	IS 12640-2
95	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Operating characteristics under residual current conditions	IEC 61009-1
96	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Operating characteristics under residual current conditions	IS 12640-2
97	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Overcurrent operating characteristics	IEC 61009-1
98	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Overcurrent operating characteristics	IS 12640-2
99	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at I?m	IS 12640-2
100	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at I?m	IEC 61009-1
101	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at rated short-circuit capacity	IEC 61009-1
102	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at rated short-circuit capacity	IS 12640-2
103	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at reduced short-circuit currents (Verification of the RCBO after short-circuit tests)	IEC 61009-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 9 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

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104	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at reduced short-circuit currents (Verification of the RCBO after short-circuit tests)	IS 12640-2
105	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at service short-circuit capacity	IEC 61009-1
106	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Performance at service short-circuit capacity	IS 12640-2
107	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Resistance to abnormal heat and to fire	IEC 61009
108	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Resistance to abnormal heat and to fire	IS 12640-2
109	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Resistance to humidity	IEC 61009-1
110	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Resistance to humidity	IS 12640-2
111	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Short-circuit performance at 1 500 A	IEC 61009-1
112	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Short-circuit performance at 1 500 A	IS 12640-2
113	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Temperature-rise	IEC 61009-1
114	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Temperature-rise	IS 12640-2
115	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Trip- free mechanism	IEC 61009-1
116	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCBO	Trip- free mechanism	IS 12640-2

SCOPE OF ACCREDITATION

Laboratory Name :	INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-10404
Validity	11/03/2022 to 10/03/2024

Last Amended on -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
117	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	"Verification of the behaviour of components bridging the basic insulation"	IEC 61008-1
118	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	"Verification of the behaviour of components bridging the basic insulation"	IS 12640-1
119	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Clearances and creepage distances (external parts only)	IEC 61008-1
120	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Clearances and creepage distances (external parts only)	IS 12640-1
121	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Clearances and creepage distances (internal parts)	IEC 61008-1
122	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Clearances and creepage distances (internal parts)	IS 12640-1
123	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Coordination at I?c	IEC 61008-1
124	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Coordination at I?c	IS 12640-1
125	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Coordination at Im	IEC 61008-1
126	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Coordination at Im	IS 12640-1
127	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Coordination at Inc	IEC 61008-1
128	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Coordination at Inc	IS 12640-1
129	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Dielectric Properties (Impulse Test)	IEC 61008-1
130	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Dielectric Properties (Impulse Test)	IS 12640-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 11 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
131	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Dielectric strength of the main circuit	IEC 61008-1
132	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Dielectric strength of the main circuit	IS 12640-1
133	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance and dielectric s trength of auxiliary circuits	IEC 61008-1
134	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuits	IS 12640-1
135	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuits	IEC 61008-1
136	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance and dielectric strength of auxiliary circuits	IS 12640-1
137	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance of the main circuit	IEC 61008-1
138	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance of the main circuit	IS 12640-1
139	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance of the main circuit	IEC 61008-1
140	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Insulation resistance of the main circuit	IS 12640-1
141	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Mechanical and electrical endurance	IEC 61008-1
142	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Mechanical and electrical endurance	IS 12640-1
143	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Non-operating current under overcurrent conditions	IEC 61008-1
144	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Non-operating current under overcurrent conditions	IS 12640-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 12 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
145	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Performance at I?m	IEC 61008-1
146	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Performance at I?m	IS 12640-1
147	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Performance at Im	IS 12640-1
148	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Performance at Im	IEC 61008-1
149	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Residual operating characteristics	IEC 61008-1
150	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Residual operating characteristics	IS 12640-1
151	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Resistance of the insulation of open contacts and basic insulation against an impulse voltage in normal conditions	IEC 61008-1
152	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Resistance of the insulation of open contacts and basic insulation against an impulse voltage in normal conditions	IS 12640-1
153	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Resistance to abnormal heat and to fire	IEC61008-1
154	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Resistance to abnormal heat and to fire	IS 12640-1
155	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Resistance to humidity	IEC 61008-1
156	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Resistance to humidity	IS 12640-1
157	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Temperature-rise	IEC 61008-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 13 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
158	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Temperature-rise	IS 12640-1
159	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Trip- free mechanism	IEC 61008-1
160	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Trip- free mechanism	IS 12640-1
161	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Verification of clearances with the impulse withstand voltage	IS 12640-1
162	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Verification of the suitability of RCCBs for use in IT-systems	IEC 61008-1
163	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaker	Verification of the suitability of RCCBs for use in IT-systems	IS 12640-1
164	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Residual Current Circuit Breaket	Verification of clearances with the impulse withstand voltage	IEC 61008-1
165	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Dielectric Properties (Impulse Test)	IS/IEC 60947-3
166	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Dielectric properties	IEC 60947-3
167	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Dielectric properties	IS/IEC 60947-3
168	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Dielectric verification	IEC 60947-3
169	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Dielectric verification	IS/IEC 60947-3
170	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Fuse protected short circuit making	IS/IEC 60947-3
171	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Fuse protected short -circuit making	IEC 60947-3

SCOPE OF ACCREDITATION

Laboratory Name :	INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-10404
Validity	11/03/2022 to 10/03/2024

Last Amended on -

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172	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Fuse protected short circuit withstand	IS/IEC 60947-3
173	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Fuse protected short -circuit withstand	IEC 60947-3
174	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Leakage current	IEC 60947-3
175	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Leakage current	IS/IEC 60947-3
176	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Making and Breaking capacities	IEC 60947-3
177	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Making and Breaking capacities	IS/IEC 60947-3
178	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Operational performance	IEC 60947-3
179	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Operational performance	IS/IEC 60947-3
180	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Short-circuit making capacity	IEC 60947-3
181	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Short-circuit making capacity	IS/IEC 60947-3
182	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Short-time withstand current	IS/IEC 60947-3
183	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Strength of actuator mechanism	IEC 60947-3
184	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Strength of actuator mechanism	IS/IEC 60947-3
185	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Circuit Breaker protected short -circuit making	IEC 60947-3

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 15 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
186	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Circuit Breaker protected short -circuit withstand	IEC 60947-3
187	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Dielectric Properties (Impulse Test)	IEC 60947-3
188	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Short-time withstand current	IEC 60947-3
189	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Temperature-rise	IEC 60947-3
190	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Temperature-rise	IS/IEC 60947-3
191	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Temperature-rise verification	IEC 60947-3
192	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Switches, Switch Disconnectors & Isolators	Temperature-rise verification	IS/IEC 60947-3
193	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Conditional short-circuit current	IEC 60947-6-1
194	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Dielectric properties	IEC 60947-6-1
195	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Dielectric withstand verification	IEC 60947-6-1
196	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Operational performance	IEC 60947-6-1
197	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Short-circuit breaking capacity	IEC 60947-6-1
198	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Verification of dielectric withstand	IEC 60947-6-1
199	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Dielectric Properties (Impulse Test)	IEC 60947-6-1

SCOPE OF ACCREDITATION

Laboratory Name : INDIA R&D LABORATORIES, ELECTRICAL INFRASTRUCTURE SBU, NOVATEUR ELECTRICAL AND DIGITAL SYSTEMS PRIVATE LIMITED (LEGRAND INDIA), A-2, MIDC INDUSTRIAL AREA, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10404 **Page No** 16 of 16

Validity 11/03/2022 to 10/03/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
200	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Making and breaking capacities	IEC 60947-6-1
201	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Short-circuit making capacity	IEC 60947-6-1
202	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Short-time withstand current	IEC 60947-6-1
203	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Temperature rise verification	IEC 60947-6-1
204	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Transfer Switch Equipment	Verification of temperature-rise	IEC 60947-6-1