National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HONEYWELL ELECTRICAL DEVICES & SYSTEMS INDIA LIMITED, HOPE TOWN TEST CENTRE, KHASRA NO.323 (MI), CENTRAL HOPE TOWN, DEHRADUN, UTTARAKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/03/2022 to 16/03/2024 **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	Clearance and Creepage Distance	IS 60898-1
2	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Dielectric Strength of the main circuit	IS 60898-1
3	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Indelibility of Marking	IS 60898-1
4	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Insulation resistance of the main circuit	IS 60898-1
5	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Marking	IS 60898-1
6	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Measurement of Power loss	IS 60898-1
7	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Mechanical and Electrical Endurance	IS 60898-1
8	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Mechanical Design (General)	IS 60898-1
9	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Mechanical Design (Mechanism)	IS 60898-1
10	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Protection Against Electric Shock	60898-1
11	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Reliability of Screws type terminals for external conductors	IS 60898-1
12	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Reliability of Screws, current carrying parts and connection	IS 60898-1
13	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Resistance of the insulation of open contacts and basic insulation against an impulse voltage in normal conditions	IS 60898-1

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14	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Resistance To abnormal heat and to fire	IS 60898-1
15	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Resistance to Heat	IS 60898-1
16	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Resistance to humidity	60898-1
17	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Resistance to mechanical shock & Impact	IS 60898-1
18	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Resistance to Rusting	IS 60898-1
19	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Temperature Rise	IS 60898-1
20	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Circuit Breaker	Tripping Characteristics	IS 60898-1
21	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Clearance and Creepage Distance	IS 12640-1
22	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Indelibility of Marking	IS 12640-1
23	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Marking	IS 12640-1
24	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Mechanical and Electrical Endurance	IS 12640-1
25	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Mechanical Design (General)	IS 12640-1
26	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Mechanical Design (Mechanism)	IS 12640-1
27	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Non-Operating current under over current conditions	IS 12640-1

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28	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Protection Against Electric Shock	IS 12640-1
29	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Reliability of screws type terminals for external conductors	IS 12640-1
30	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Reliability of Screws, current carrying parts and connection	IS 12640-1
31	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Resistance of Insulation against Impulse voltage	IS 12640-1
32	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Resistance To abnormal heat and to fire	IS 12640-1
33	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Resistance to Heat	IS 12640-1
34	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Resistance to mechanical shock and Impact	IS 12640-1
35	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Temperature Rise	IS 12640-1
36	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Test of Dielectric Properties	IS 12640-1
37	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Verification of Operating Characteristics	IS 12640-1
38	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Verification of the operating characteristics	IS 12640-1
39	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Verification of the operation of the test device at the limits of rated voltage	IS 12640-1
40	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	RCCB	Verification of the trip free mechanism	IS 12640-1

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41	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Additional tests on pins provided with insulating sleeves : Pressure test at high temperature, Static damp heat test, Impact test at low temperature, Test at low temperature	IS 1293
42	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Checking of Dimensions	IS 1293
43	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Classification of Plugs, Socket Outlets and accessories	IS 1293
44	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Construction of fixed sockets outlets (Except with membrane)	IS 1293
45	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Construction of Plug & Portable Socket Outlets	IS 1293
46	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Creepage distance and clearance	IS 1293
47	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Flexible cable and their connection	IS 1293
48	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Force necessary to withdraw the plug	IS 1293
49	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Insulation Resistance and Electric Strength	IS 1293
50	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Making and Breaking Capacity	IS 1293
51	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Marking	IS 1293
52	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Mechanical Strength	IS 1293
53	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Normal Operation	IS 1293
54	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Operation of earthing contact	IS 1293
55	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Protection Against Electric Shock	IS 1293
56	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Provision for earthing	IS 1293
57	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Rating	IS 1293

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58	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Resistance of Insulating material to abnormal heat, fire and tracking	IS 1293
59	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Resistance to ageing, harmful ingress of water and to humidity	IS 1293
60	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Resistance to Heat	IS 1293
61	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Resistance to rusting	IS 1293
62	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Screws, Current carrying parts and connections	IS 1293
63	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Temperature Rise	IS 1293
64	ELECTRICAL- WIRING ACCESSORIES	Plugs & Socket outlet of rated voltage up to and including 250V and rated current up to and including 16A	Terminals	IS 1293
65	ELECTRICAL- WIRING ACCESSORIES	Switches	Checking of Dimensions	IS 3854
66	ELECTRICAL- WIRING ACCESSORIES	Switches	Classification of Switches	IS 3854
67	ELECTRICAL- WIRING ACCESSORIES	Switches	Constructional Requirement	3854
68	ELECTRICAL- WIRING ACCESSORIES	Switches	Insulation Resistance and Electric Strength	IS 3854
69	ELECTRICAL- WIRING ACCESSORIES	Switches	Making and Breaking	IS 3854
70	ELECTRICAL- WIRING ACCESSORIES	Switches	Marking	IS 3854
71	ELECTRICAL- WIRING ACCESSORIES	Switches	Mechanical Strength	IS 3854
72	ELECTRICAL- WIRING ACCESSORIES	Switches	Mechanism (Actuating member)	IS 3854
73	ELECTRICAL- WIRING ACCESSORIES	Switches	Normal Operation	IS 3854
74	ELECTRICAL- WIRING ACCESSORIES	Switches	Protection Against Electric Shock	IS 3854
75	ELECTRICAL- WIRING ACCESSORIES	Switches	Rating of Switches	IS 3854

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76	ELECTRICAL- WIRING ACCESSORIES	Switches	Resistance of Insulating material to abnormal heat and fire	IS 3854
77	ELECTRICAL- WIRING ACCESSORIES	Switches	Resistance to ageing, harmful ingress of water and to humidity	IS 3854
78	ELECTRICAL- WIRING ACCESSORIES	Switches	Resistance to Heat	IS 3854
79	ELECTRICAL- WIRING ACCESSORIES	Switches	Resistance to rusting	IS 3854
80	ELECTRICAL- WIRING ACCESSORIES	Switches	Screws, Current carrying parts and their connections	IS 3854
81	ELECTRICAL- WIRING ACCESSORIES	Switches	Temperature Rise	IS 3854
82	ELECTRICAL- WIRING ACCESSORIES	Switches	Terminals	IS 3854
83	ELECTRICAL- WIRING ACCESSORIES	Swithces	Creepage distance and clearance	IS 3854