National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SWITCHGEAR LAB, MICROTEK NEW TECHNOLOGIES PRIVATE LIMITED (UNIT-2), VILLAGE KATHA, BADDI, SOLAN, HIMACHAL PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11310 **Page No** 1 of 2

Validity 23/01/2023 to 22/01/2025 **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	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Mechanism	IS/IEC 60898-1 (Clause 8.1.2)
2	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	28 days Test	IS/IEC 60898-1 (Clause 9.9)
3	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Clearances and Creepage Distances	IS/IEC 60898-1 (Clause 8.1.3)
4	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Dielectric Strength of the Main Circuit	IS/IEC 60898-1 (Clause 9.7.3)
5	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Indelibility of Marking	IS/IEC 60898-1 (Clause 9.3)
6	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Insulation Resistance of the Main Circuit	IS/IEC 60898-1 (Clause 9.7.2)
7	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Mechanical Stresses	IS/IEC 60898-1 (Clause 9.13)
8	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Non-Interchangeability	IS/IEC 60898-1 (Clause 8.1.6)
9	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Resistance to Abnormal Heat and to Fire	IS/IEC 60898-1 (Clause 9.15)
10	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Resistance to Humidity	IS/IEC 60898-1 (Clause 9.7.1)
11	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Resistance to Rusting	IS/IEC 60898-1 (Clause 9.16)
12	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Mechanical and Electrical Endurance	IS/IEC 60898-1 (Clause 9.11)
13	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Protection Against Electric Shock	IS/IEC 60898-1 (Clause 9.6)

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14	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Reliability of Screws, Current-Carrying Parts and Connections	IS/IEC 60898-1 (Clause 9.4)
15	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Reliability of Terminals for External Conductors	IS/IEC 60898-1 (Clause 9.5)
16	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Resistance to Heat	IS/IEC 60898-1 (Clause 9.14)
17	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Temperature-Rise and Measurement of Power Loss	IS/IEC 60898-1 (Clause 9.8)
18	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Temperature-Rise and Measurement of Power Loss	IS/IEC 60898-1 (Clause 9.8)
19	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Electrical Accessories Circuit-Breakers For Over Current Protection for Household and Similar Installations	Test of Tripping Characteristic	IS/IEC 60898-1 (Clause 9.10)