National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ABB GLOBAL INDUSTRIES AND SERVICES PRIVATE LIMITED - LOW VOLTAGE BREAKERS AND SWITCHES TESTING LABORATORY, WESTERN AQUA, GROUND FLOOR & 10TH FLOOR, PLOT NOS. 1, 2, 3 AND 4 / PART, HI-TECH CITY, WHITE FIELD, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11666 **Page No** 1 of 2

Validity 22/05/2023 to 21/05/2025 **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	Air Circuit Breakers, Molded Case Circuit Breakers	Dielectric Properties	IEC 60947-2 + AMD1 (Clause 8.3.3.3), IEC 60947-1
2	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Dielectric Properties	IS/IEC 60947-2 (Clause 8.3.3.3), IS/IEC 60947-1
3	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Flexion Test	IEC 60947-2 + AMD1 (Clause 8.3.1, Annexure D), IEC 60947-1
4	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Operational Performance Capability with Current	IEC 60947-2 + AMD1 (Clause 8.3.3.4.4), IEC 60947-1
5	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air circuit breakers, Molded Case circuit Breakers	Operational Performance Capability with Current	IS/IEC 60947-2 (Clause 8.3.3.4.4), IS/IEC 60947-1
6	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Operational Performance Capability without Current	IEC 60947-2 + AMD1 (Clause 8.3.3.4.3), IEC 60947-1
7	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Operational Performance Capability without Current	IS/IEC 60947-2 (Clause 8.3.3.4.3), IS/IEC 60947-1
8	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Pull Out Test	IEC 60947-2 + AMD 1 (Clause 8.3.2, Annexure D), IEC 60947-1
9	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Tripping Limits and Characteristics	IEC 60947-2 + AMD1 (Clause No. 8.3.3.2), IEC 60947-1
10	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Tripping Limits and Characteristics	IS/IEC 60947-2 (Clause 8.3.3.2), IS/IEC 60947-1
11	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Verification of Dielectric Withstand	IEC 60947-2 + AMD1 (Clause 8.3.3.6), IEC 60947-1
12	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Verification of Dielectric Withstand	IS/IEC 60947-2 (Clause 8.3.3.6), IS/IEC 60947-1
13	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Verification of Temperature Rise (3Ph- AC-50Hz & 60Hz)	IEC 60947-2 + AMD1 (Clause 8.3.3.7), IEC 60947-1

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14	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	Air Circuit Breakers, Molded Case Circuit Breakers	Verification of Temperature Rise (3Ph- AC-50Hz & 60Hz)	IS/IEC 60947-2 (Clause 8.3.3.7), IS/IEC 60947-1
15	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Dielectric Properties	IEC 60947-3 (Clause 9.3.4.3), IEC 60947-1
16	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Dielectric Properties	IS/IEC 60947-3 (Clause 9.3.4.3), IS/IEC 60947-1
17	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Flexion Test	IEC 60947-3 (Clause 9.3.1, Annexure E), IEC 60947-1
18	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Operational Performance - Mechanical and Electrical Endurance	IEC 60947-3 (Clause 9.3.5.2), IEC 60947-1
19	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Operational Performance - Mechanical and Electrical Endurance	IS/IEC 60947-3 (Clause 8.3.4.1), IS/IEC 60947-1
20	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Pull Out Test	IEC 60947-3 (Clause 9.3.2, Annexure E), IEC 60947-1
21	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Temperature Rise (3 Ph-AC-50 Hz & 60 Hz	IEC 60947-3 (Clause 9.3.4.2), IEC 60947-1
22	ELECTRICAL-SWITCHGEAR & PROTECTIVE EQUIPMENT	LV Switches, Disconnectors, Switch-disconnectors and Fuse-combination Units	Temperature Rise (3 Ph-AC-50 Hz & 60 Hz)	IS/IEC 60947-3:Clause no. 8.3.3.6, IS/IEC 60947-1 (2007)