



✓ GIGA Labs

GIGA Labs is one of the Schneider's 5 Global labs which is spread across 5300sq.mts.

GIGA Labs is developed and equipped to test in accordance with the latest international standards. The laboratory in Bengaluru, India is accredited as per ISO/IEC 17025:2017.

The main motto of GIGA Labs is Customer Satisfaction and Impartiality. Our Services offer product and certification testing with respect to IEC and IS ensuring quality and reliability of testing.

The Lab management ensures that the laboratory follows standard quality procedures and develop technical expertise to strive for "Best in Class".

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GIGA Labs

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Register with us by scanning this code



GIGA Labs

Safety and Quality... Everyday

Great People

Innovative

Global

Accredited

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GIGA Labs Principle

At GIGA Labs, one of our cornerstone value is the commitment to ensure that we operate in an ethical, sustainable and responsible manner. Our responsibility goes beyond fulfilling regulatory and legal requirements with high level of business intergrity.

GIGA Labs relies on the trust and confidence of our clients, our colleagues. Our performance and integrity are at the heart of this trust based relationship.

GIGA Labs Product Services

Services We Offer:

Product Verification.
Product Certification (with certifying agencies).
Prototype building.
Failure Analysis.
Component Validation.
Expert Recommendation.

Product Range Covered

LV Distribution – MCCB, ACB, SDF, Contactor, Panel, Busways
Final Distribution – MCB, RCCB, RCBO, DBO,
Wiring Devices - Switches, Sockets
Network Connectivity – RJ45, LAN cable, Patch cord

Product Standards

IEC 60947-1, 60947-2, 60947-3, 60947-4
IEC 60898, IEC 61008-1, IEC 61439-1,
IEC 61439-2, 61439-3, 61439-6, IEC 60669-1,
IEC 60884-1, IS3854, IS1293, IEC 60603-7,
ISO/IEC 11801,ANSI/TIA-568, IEC 61010-1,
IEC 61010-2-30

Accreditations and Recognitions

The Lab is Accredited / Recognized as under
NABL ISO/IEC 17025:2017 ASTA Intertek UL



Complete Testing Service

Our Test Laboratory offers verification and certification testing (with ASTA-Intertek) to cover various design aspects verified by test according to IEC 61439-1 and 61439-2.

LV Switchboard



LV Distribution



Final Distribution



Switches and Sockets



Network Connectivity



Prototype



GIGA Labs Test Facilities

• Electrical

- Temperature Rise: 3 Phase upto 10,000 A max. (with control ambient from 0...70 °C).
- HV Testing: Impulse (20 kV peak)
- HV Testing: Power Frequency (10 kV rms)
- Partial discharge and HV (max. 100 kV rms)
- Impulse Generator (300 kV peak)
- Glow Wire Test, Comparative Tracking Index

• Environmental

- Damp Heat Chamber: 15%RH to 98%RH, 25...60 °C.
- Heating, Cooling Chamber: -70...160 °C
- Salt Spray: 1000 litres;35 °C.

• Mechanical

- IP Test: IPX1..IPX6, IP2X..6X
- IK Test: upto IK10 (impact force of 20 joules)

• Electronics, EMI-EMC

- ESD: 30 kV AD/CD
- EFT: 4.8 kV Single Phase
- Surge: 5 kV, 1.2/50 µs
- CS:150 kHz to 200 MHz, 25 Vrms
- PMF: 100 A/m, 50 Hz
- CE: On AC/DC Powerline upto 30 MHz
- RE: 3 m Anechoic Chamber from 30 MHz upto 6 GHz.

Digital Service

IP camera*: Remote Witness test from multiple locations.

Notification: SMS/E-mail alert for test status

* Available on Schneider Network.

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