- Verification of short-circuit withstand strength.
- Verification of effectiveness of the protective circuit.
- Verification of clearances and creepage distances.
- Mechanical operations test.
- Verifications of the degree of protection (IP Code).
- Strength of material and Parts.
- Electromagnetic compatibility.

C. Should there be modification to any components of the LV Assembly, NEW Type Tests have to be carried out and supported by relevant Type Test Certificate.

D. Routine Tests: The LV Assemblies shall be Routine Tested at a place of assembly in accordance with clause 8.3 in BS EN 60439 to ensure all material and workmanship free from faults. Tests to be carried out on all new as delivered Assemblies and their transport/shipping sections.

E. Following tests must be conducted and supported by the relevant Factory Tests certifications.

- All mechanical parts, lifting arrangement
- Wiring, cabling and termination details
- Dimensional details
- Components specification
- Internal and external supports and structure
- Engineered drawings, documentation and application development software.
- Operational test and sequence of operation.
- Primary and secondary current injection test on all protective devices.
- Checking of electrical continuity of all protective circuits
- Dielectric test
- Insulation resistance test
- All other tests as recommended by the manufacturer
- Additional tests as instructed by the engineer