

LOVAG CB	Id Code	Name	Address	Observer
SGS CEBEC LABORATORY (BELGIUM)	BE 02	GE Industrial Belgium	Nieuwevaart 51 B-9000 Gent	Herwig Van der Spurt

**LOVAG Scheme Scope**

Main Standards in the LOVAG Scheme			
	Category	Standards	Description
<input checked="" type="checkbox"/>	POW	IEC/EN 60947-1	Low-voltage switchgear and controlgear
<input checked="" type="checkbox"/>	POW	IEC/EN 60947-2	Circuit-breakers
<input checked="" type="checkbox"/>	POW	IEC/EN 60947-3	Switches, disconnectors, switch-disconnectors and fuse-combination units
<input type="checkbox"/>	POW	IEC/EN 60947-4-1	Electromechanical contactors and motor starters
<input checked="" type="checkbox"/>	POW	IEC/EN 60947-5-1	Auxiliary Switch
<input checked="" type="checkbox"/>	POW	IEC/EN 60439-1 IEC/EN 61439-1 & IEC/EN 61439-2	Low-voltage switchgear and controlgear assemblies Part 2: Power switchgear and controlgear assemblies
<input type="checkbox"/>	POW	IEC/EN 61439-1 & IEC/EN 61439-6	Low-voltage switchgear and controlgear assemblies Part 6: Busbar trunking systems (busways)

General Overview of Scope of tests (*)		
Type of tests:	Test description:	Maximum Test limits:
<input checked="" type="checkbox"/> Hight-current tests	<input checked="" type="checkbox"/> Short-circuit switching capacity <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Overload switching capacity <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Making/breaking capacity <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> Short-time withstand current <input type="checkbox"/> Impulse withstand current <input type="checkbox"/> Arc fault withstand capacity	Voltage : <b>415 V</b> / Current : <b>12.5 kA</b> Voltage : V / Current : kA  Voltage : <b>415 V</b> / Current : <b>1250 A</b> Voltage : V / Current : kA  Voltage : <b>415 V</b> / Current : <b>1250 A</b> Voltage : V / Current : A Current : kA Time : s Current : A Energy : kA <sup>2</sup> s
<input checked="" type="checkbox"/> Insulation tests	<input checked="" type="checkbox"/> High voltage <input checked="" type="checkbox"/> Impulse withstand voltage <input checked="" type="checkbox"/> Minimum Leakage current detection	Voltage : <b>4 kV</b> Voltage : <b>16 kV</b> Current : <b>10 mA</b>
<input checked="" type="checkbox"/> Temperature-rise tests	<input checked="" type="checkbox"/> AC / <input type="checkbox"/> DC max. current <input checked="" type="checkbox"/> Minimum Impedance measurement	Current : <b>0.5 A</b> / Current : <b>1600 A</b> Ω
<input checked="" type="checkbox"/> Tripping behaviour	<input checked="" type="checkbox"/> AC / <input type="checkbox"/> DC max. current	Current : <b>0.5 A</b> / Current : <b>2500 A</b>
<input checked="" type="checkbox"/> Lifespan	<input checked="" type="checkbox"/> Mechanical lifespan <input checked="" type="checkbox"/> Electrical durability: <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	Voltage : <b>415 V</b> Current : <b>125 A</b> Voltage : V Current : A
<input checked="" type="checkbox"/> Mechanical properties of terminals		
<input type="checkbox"/> EMC tests		
<input checked="" type="checkbox"/> Climatic tests		
<input type="checkbox"/> Vibration and shock tests		
<input checked="" type="checkbox"/> Degree of protection tests	<input checked="" type="checkbox"/> IP-code (water and solid bodies) <input checked="" type="checkbox"/> IK-code (impact resistance of enclosures)	<b>IP 68</b> <b>IK 10</b>

(\*) The provided technical information are not contractual and could be different, according to the relevant test specifications of a specific product standard.

For more technical specifications or details, please refer to laboratory documentations or website.