

Inspection Certificate

Electrical Equipment Testing



Description

We carry out electrical testing of electrical equipment such as control cabinets and electrical installations in accordance with standards **EN 60204-1** and **IEC/EN 61439-1**.

Specifications

The inspections are based on the following standards:

- **EN 60204-1** Safety of machinery. Electrical equipment of machines. Part 1: General requirements.
- **EN 61439-1** Low-voltage switchgear and controlgear assemblies. Part 1: General rules.



Measuring equipment

FKSE\WISSAN ZF\PACK BATTERY\2 RPE > 10A - EN60204 - Long. Cable - 2			Ok	PE001
hilos				
03/01/2020 16:49:00				
RPE > 10A - EN60204 - Long. Cable - 2				
hilos				
R Med	0,123 Ω		Ok	
Prueba I	12,4 A			
R cal	0,333 Ω			
FKSE\WISSAN ZF\PACK BATTERY\3 RPE > 10A - EN60204 - Long. Cable - 2			Ok	PE002
hilos				
03/01/2020 16:50:00				
RPE > 10A - EN60204 - Long. Cable - 2				
hilos				
R Med	0,124 Ω		Ok	
Prueba I	12,4 A			
R cal	0,333 Ω			
FKSE\WISSAN ZF\PACK BATTERY\4 RPE > 10A - EN60204 - Long. Cable - 2			Ok	PE003
hilos				
03/01/2020 16:51:00				
RPE > 10A - EN60204 - Long. Cable - 2				
hilos				
R Med	0,149 Ω		Ok	
Prueba I	11,8 A			
R cal	0,333 Ω			

Example of PE cable continuity test

Scope of the inspection

The tests can be the following:

- Protection circuit continuity at 200mA.
- Protection circuit continuity with $I > 10A$, $V < 12V$.
- Protection circuit continuity with $I > 25A$, $V < 12V$.
- Insulation with test voltages 100, 250, 500, 1000VDC.
- Dielectric strength with programmable voltage from 250V to 5100VAC.
- Discharge time/residual voltage at outlet and internal circuits.
- Absorbed current/leaks and power at the machine outlet.
- Trip time/current on Type A, AC, B General and Selective RCD to 1000mA
- Contact voltage.
- Line/loop impedance and I_{psc} calculation.

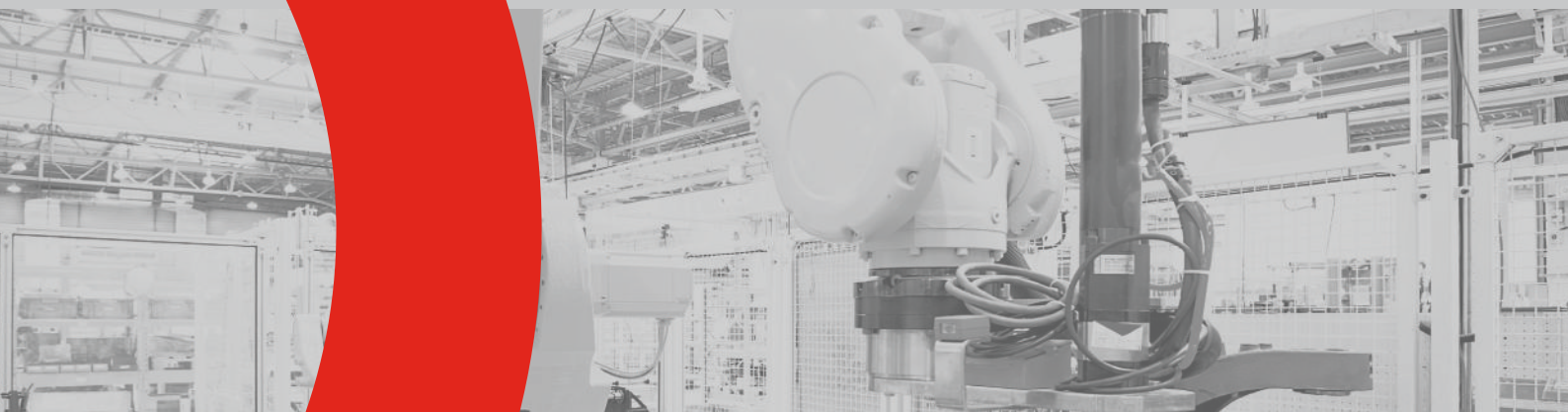
Documentation

The following is delivered with each certificate:

- A PDF format inspection certificate.
 - A list of possible Non-Conformities found.
- (In Spanish. Other languages on demand.)



Inspection Seal



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