

Company: _____ Customer: _____

Order: _____

Project: _____

Power switchgear assembly (PSC)

Piece verification according to IEC 61439-2

Please tick where applicable

Distribution board for operation by laypersons (DBO)

Piece verification according to IEC 61439-3

Evidence provided:

Seq. No.	Type of inspection*	Content of the inspection	IEC 61439-1 section	Result of the inspection	Inspector
1	S	Degree of protection of cabinets / enclosures (seals, covers)	11.2	<input type="checkbox"/>	<input type="checkbox"/>
2	S/P	Clearances and creepage distances	11.3	<input type="checkbox"/>	<input type="checkbox"/>
3	S/P	Protection against electric shock and continuity of protective conductor circuits	11.4	<input type="checkbox"/>	<input type="checkbox"/>
4	S	Installation of equipment	11.5	<input type="checkbox"/>	<input type="checkbox"/>
5	S/P	Internal electrical circuits and connections	11.6	<input type="checkbox"/>	<input type="checkbox"/>
6	S	Connections of externally introduced conductors	11.7	<input type="checkbox"/>	<input type="checkbox"/>
7	P	Mechanical function (Actuating elements interlocks)	11.8	<input type="checkbox"/>	<input type="checkbox"/>
8	P	Insulation properties A test of the power-frequency withstand voltage must be carried out on all circuits in accordance with 10.9.1 and 10.9.2, but for a duration of 1 s and a tripping current of at least 3.5 mA. Alternatively, for switchgear assemblies with a protective device in the supply, rated up to 630 A, and a rated voltage U_n up to 500 V, proof of insulation resistance may be provided by measurement with an insulation tester at a voltage of at least 500 V DC. In this case, the test is considered passed if the insulation resistance between circuits and enclosures is at least 1 MΩ.	11.9	<input type="checkbox"/>	<input type="checkbox"/>
9	P	Wiring, operational behavior, and function	11.10	<input type="checkbox"/>	<input type="checkbox"/>

Technician: _____

Inspector: _____

Date: _____

Date: _____

* Explanation: S = Visual inspection P = Inspection with mechanical or electrical test devices