

## Routine verification protocol (routine check protocol)

- Power Switchgear Combinations pursuant to IEC 61439-2 (PSC)
- Sub-distribution boards pursuant to IEC 61439-3 (DBO Type B)

Manufacturer of the ASSEMBLY:

Company stamp

Customer:

Order number:

Project:

Type:

### Verifications:

Serial number	Type of inspection V = visual inspection I = inspection using mech. or electr. test equipment A = according to component / original manufacturer's instructions	Criterion	IEC 61439-1 Section	Result	Examiner
1	V	Degree of protection of cabinets / enclosures	11.2		
2	V/I	Clearances and creepage distances	11.3		
3	V/I	Protection against electric shock and continuity of the protective circuits	11.4		
4	A	Incorporation of equipment	11.5		
5	A/I	Internal electric circuits and connections	11.6		
6	A	Terminals for external conductors	11.7		
7	I	mech. Function (actuation elements, interlocks)	11.8		
8	I	Dielectric properties	11.9		
9	I	Wiring, operating behaviour and function	11.10		

Test voltage value

The power-frequency withstand voltage is to be tested on all circuits for a duration of 1 s. in accordance with 10.9.2. Test voltage = 1890 V AC at a rated insulation voltage between 300 V-690 V AC. For test values at other rated insulation voltages, see Table 8 of the IEC 61439-1.

V AC

For ASSEMBLIES up to 250 A with an incoming protective device the insulation resistance may be measured using an insulation measurement device at a voltage of not less than 500 V DC. This test will be passed successfully when the insulation resistance is at least 1000 Ω/V.

### Check performed by:

Place / Date

Name and signature of the performer

Place / Date

Name and signature of the tester