

Report for Routine Verification (Routine Test Report)

Power switchgear and controlgear assembly
Design verification according to EN 61439-1/-2 (VDE 0660-600-1/-2)

Distribution board
Design verification according to EN 61439-1/-3 (VDE 0660-600-1/-3)

Customer: _____

Order number: _____

Project: _____

Workshop: _____

Verifications completed:					
Seq. No.	Test type	Content of test	VDE 0660-600-1 section	Result of test	Inspector
1	V	Degree of protection of cabinets/ enclosures (seals, covers)	11.2		
2	V/T	Clearance and creepage distances	11.3		
3	V/T	Protection against electric shock and integrity of the protective conductor circuits	11.4		
4	V	Installation of equipment	11.5		
5	V/T	Internal electric circuits and terminals	11.6		
6	V	Terminals for external conductors	11.7		
7	T	Mechanical function (actuators, interlocks)	11.8		
8	T	Insulation properties A test of the insulation strength at operating frequency must be performed on all circuits consistent with 10.9.2 for a duration of one second. The test voltage for controlgear assemblies with a rated insulation voltage between 300-690 V is 1,890 V AC. The test values for deviating rated insulation voltages are found in Table 8 of the IEC 61439-1. The following applies alternatively for controlgear assemblies with a protective device in the feed-in and rated current up to 250 A: Measurement of the insulation resistance with an insulation measuring device at a voltage of at least 500 V DC. The test is passed if the insulation resistance is at least 1,000 Ω / V.	11.9		
				Test voltage value	
				V AC	
		Insulation resistance			
				Ω/V	
9	T	Wiring, operation characteristics, and function	11.10		

V = Visual inspection
T = Testing with mechanical or electrical testing test devices

Technician: Inspector:

Date: Date:

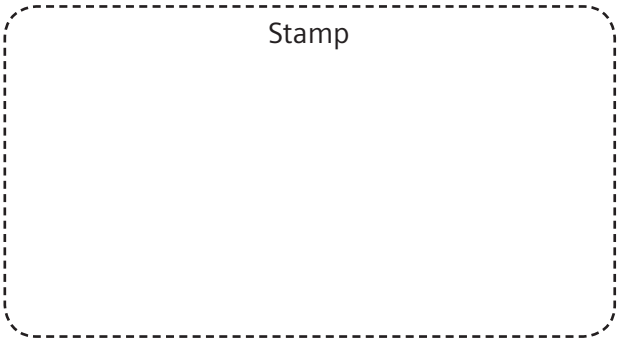
Checklist for conformity assessment procedure

Company: _____

Order: _____

Project: _____

Type: _____



Low-voltage switchgear and controlgear assembly or distributor	
<input type="checkbox"/>	Power switchgear and controlgear assembly according to EN 61439-2 (VDE 0660-600-2)
<input type="checkbox"/>	Distribution board for the operation by non-experts according to EN 61439-3 (VDE 0660-600-3)
<input type="checkbox"/>	Small distribution boards and meter panels 400 V AC according to DIN VDE 0603-1
<input type="checkbox"/>
<input type="checkbox"/>	1. Technical Documents
Scope of the Low Voltage Directive 2006/95/EC	
<input type="checkbox"/>	Lists or other documentation of the original manufacturer for low-voltage switchgear and controlgear assemblies or distributors (important contents: Name and address of the original manufacturer as well as the type designation, applicable standard, description of the product)
<input type="checkbox"/>	Mounting and installation notes of the original manufacturer
<input type="checkbox"/>	Circuit diagram, assembly drawing, parts list
<input type="checkbox"/>	Performance of the routine verification according to EN 61439-1 / VDE 0660-600-1. Test log for routine verification is part of the documents
Scope of the EMC directive 2004/108/EC	
<input type="checkbox"/>	Supplement to the technical documents by means of manufacturer's materials for all electronic installation devices and devices that contain electronics (mounting and installation notes).
<input type="checkbox"/>	Declaration of conformity of the device manufacturer, confirming conformance of the product with the requirements of the EMC directive. An equivalent note is to be kept accordingly in the accompanying documents.
<input type="checkbox"/>	2. Preparing the declaration of conformity (see page 3)
<input type="checkbox"/>	3. Affixing the CE marking (see page 3)

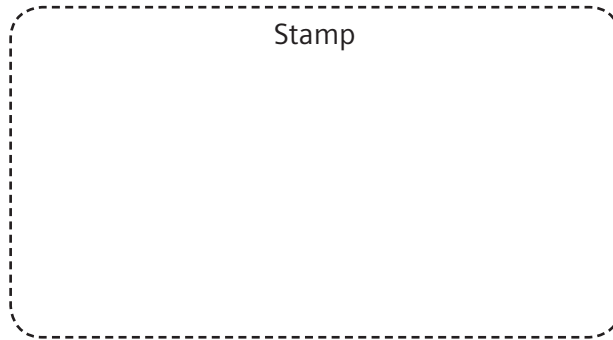
Conformity assessment process completed:

.....
(Place, date of issue)

.....
(Name and signature or equivalent identification of the authorized person)

Declaration of conformity

We,
(address)



declare on our sole responsibility that the product

- Meter panels
- Small distribution boards
- Power switchgear and controlgear assembly
- Distribution board for the operation by non-experts

Designation, type, catalog or order no.:

.....
to which this declaration refers, conforms to and has been built according to the following standard(s).

Low-voltage switchgear and controlgear assembly or distributor	
<input type="checkbox"/>	Power switchgear and controlgear assembly according to EN 61439-2 (VDE 0660-600-2)
<input type="checkbox"/>	Distribution board for the operation by non-experts according to EN 61439-3 (VDE 0660-600-3)
<input type="checkbox"/>	Small distribution boards and meter panels 400 V AC according to DIN VDE 0603-1
<input type="checkbox"/>
The specified product thus conforms to the standards of the following European directives:	
Low Voltage Directive 2006/95/EC	
<input type="checkbox"/>	EMC directive 2004/108/EC (e.g. for electronic equipment, installed in a controlgear assembly or distributor according to the series EN 61439-1 (VDE 0660-600)

Affixing the CE marking*): (Date).....

.....
(Place, date of issue)

.....
(Name and signature or equivalent identification of the party involved)

With this declaration of conformity, the manufacturer affirms compliance with the specified directives and standards.

This declaration of conformity corresponds to EN 17050-1 "General requirements for suppliers' declarations of conformity."
*) Visibly displayed in combination with manufacturer's identification on the low-voltage switchgear and controlgear assembly or on the distributor, also possibly only legible upon opening the door.