



# Guidance through the CE marking process

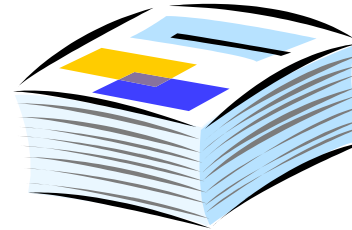
- Process for the CE – Declaration of Conformity and marking in line with LVD 2006/95/EC
  1. Method
  2. Declaration of Conformity
  3. CE marking
- Example for the Declaration of Conformity and the CE marking





Conformity must be assessed by the manufacturer or someone authorized by them and based within the Community. The conformity assessment procedure incorporates 3 main steps.

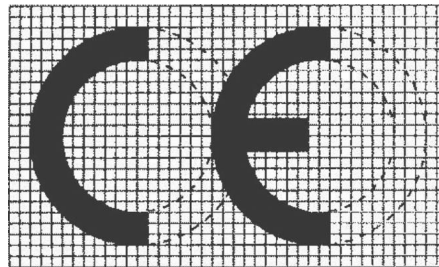
## 1. Compiling the technical documentation



## 2. Declaration of Conformity

<b>Konformitätserklärung</b> <i>Declaration of Conformity</i>	
Nr. No.	<b>EK 0001.02 de</b>
<b>Siemens AG / IBT LVDS / Leipzig</b>	
Wir We	(Name des Herstellers / manufacturer's name)
<b>Südstrasse 74 D-04178 Leipzig</b>	
(Anschrift / address)	
erklären in alleiniger Verantwortung, daß das (die) Produkt(e) declare under our sole responsibility that the product(s)	
<b>SIVACON S4</b> Standardisiertes Bausteinsystem für den Bau von Niederspannungs-Schaltgerätekombinationen <b>SIVACON S4</b> Standardized module system for assembly of low-voltage switchgear and controlgear assemblies	
(Bezeichnung, Typ oder Modell / name, type or model)	
mit folgenden normativen Dokumenten übereinstimmt / übereinstimmt	

## 3. CE marking



These obligations (methods) do not apply to the importer, who will generally have no detailed knowledge regarding which directives have been taken into account or which technical specifications have been applied.

# 1. Compiling the technical documentation

Scope (corresponding to Annex IV of the LVD – internal production monitoring)



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## The technical documentation incorporates the following:

- General description of the electrical switching devices and components
- Design and production plans and circuit diagrams showing how components, modules, and circuits, etc. are arranged
- Descriptions and explanations to help people understand these plans and circuit diagrams and operate the electrical switching devices and components (Objective: third-parties must be able to understand)
- A list of standards applied (in full or in part) or, if no standards have been applied, a description of the means by which the safety requirements of the directive have been satisfied
- The results of the design calculations, tests performed, etc.
- **Test reports** (available test reports from the manufacturer or third parties)

Before a product is brought into circulation the manufacturer needs to compile the various technical documentation  
→ **verification that the products satisfies the directive.**

# 1. Compiling the technical documentation

## Retention



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### Retention of technical documentation:

- For ***at least 10 years*** by the manufacturer or authorized party
- Readily accessible (e.g. in electronic form too)
- Importer or party bringing product into circulation is responsible for documentation retention if the manufacturer or their authorized party is not based within the Community.
- Must be made available within a reasonable period of time if requested by the authorities (e.g. within 2 weeks)





## 2. Declaration of Conformity Content



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### The Declaration of Conformity must contain:

- Name and address of the manufacturer or someone authorized by them and based within the Community
- Description of the electrical switching devices and components
- The harmonized standards applied
- Reference to the specifications on which conformity is based where no harmonized standards have been applied
- Identity of the manufacturer or their authorized signatory based within the Community
- The last two digits of the year when the CE marking was applied

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**Konformitätserklärung**  
Declaration of Conformity

Nr. EK 0001.02 de  
No.

Siemens AG / I BT LV DS / Leipzig  
Wir  
We (Name des Herstellers / manufacturer's name)

Südstrasse 74  
D-04178 Leipzig  
Jahres-T. / address

erklären in alleiniger Verantwortung, daß dies (die) Product(e)  
declare in sole responsibility that the product(s)

**SIVACON S4**  
**Standardisiertes Bausteinsystem für den Bau von**  
**Niederspannungs-Schaltgerätekombinationen**  
**SIVACON S4**  
**Standardized module system for assembly of low-voltage**  
**switchgear and controlgear assemblies**

(Beschreibung, Typcode, Modell)  
description, type code, model

mit folgenden normativen Dokumenten übereinstimmt (übereinstimmen);  
is in conformity with the following normative documents

**IEC 61439-2 Ed. 1.0 2009-01**  
**EN 61439-2:2009**  
**VDE 0660-600-2 Juni 2010**

(Titel, Untertitel Nr., sonstige Ausgabedaten oder normativen Documents /  
Title, subtitle number and date of issue of normative documents)  
Dies wird nachgewiesen durch die folgenden bestandenen Prüfungen:  
This is documented by the following tests passed:

**Bauartnachweise nach Kapitel 10 der oben**  
**genannten Normen (siehe Anlage)**  
**Design verifications according to chapter 10 of the above**  
**mentioned standards (see annex)**

Bozüglich der aus diesem Bausteinsystem gefertigten Niederspannungs-  
Schaltgerätekombinationen trägt der jeweilige Hersteller die alleinige  
Verantwortung für die Einhaltung der oben genannten Normen sowie der  
Projektierungs- und Montagevorschriften der Siemens AG.  
Regarding the low-voltage switchgear and controlgear assembly, manufactured by means of  
this module system, the particular assembly manufacturer bears the sole responsibility for  
the conformity with the standards mentioned above and with the planning and assembly  
instructions of the Siemens AG.

 Siemens Aktiengesellschaft  
Leipzig, 09.08.2011  
(Ort, Datum der Ausstellung /  
Place, date of issue)

Dr. Franke  
Leiter R&D  
Director Product Management  
(Name, Funktion und Unterschrift des Beauftragten /  
name, function and signature of authorized person)

Dr. J. Zempel  
Leiter Produktmanagement  
Director Product Management  
(Name, Funktion und Unterschrift des Beauftragten /  
name, function and signature of authorized person)

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## 2. Declaration of Conformity Retention



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The Declaration of Conformity must be made available and retained by the

- **Manufacturer** or
  - someone **authorized by them**
- } Based with the Community (EEA)



If neither are based within the Community, a copy needs to be retained by

- The **importer** or
- For the **party responsible for bringing the product into circulation**

The authorities responsible for supervising the market can request a copy of the Declaration of Conformity at any time if necessary.

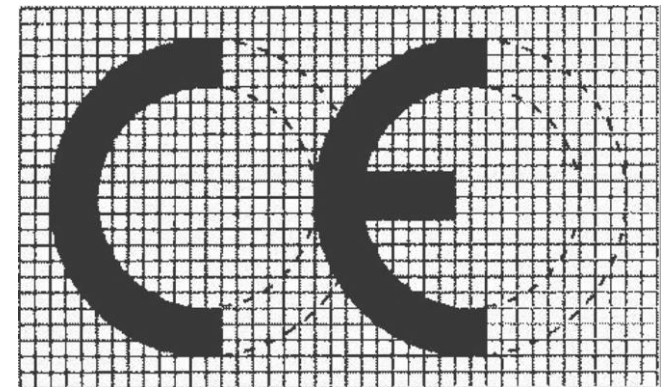
**The Declaration of Conformity must be drafted in at least one of the official European languages.**

**Official languages within the EU: 24    Working languages: 3 (English, French, German)**



### 3. CE marking

- **Marking** of electrical switching devices and components with CE marking before it is brought into circulation by **the manufacturer** only or someone **authorized** by them and based within the Community
- **CE marking applied to the electrical switching devices and components** themselves or, if this is not possible, to the packaging, the user instructions, or the warranty certificate
- Marking must be clearly visible, legible, and permanent.
- **Minimum height 5mm** with **proportions** retained if enlarged





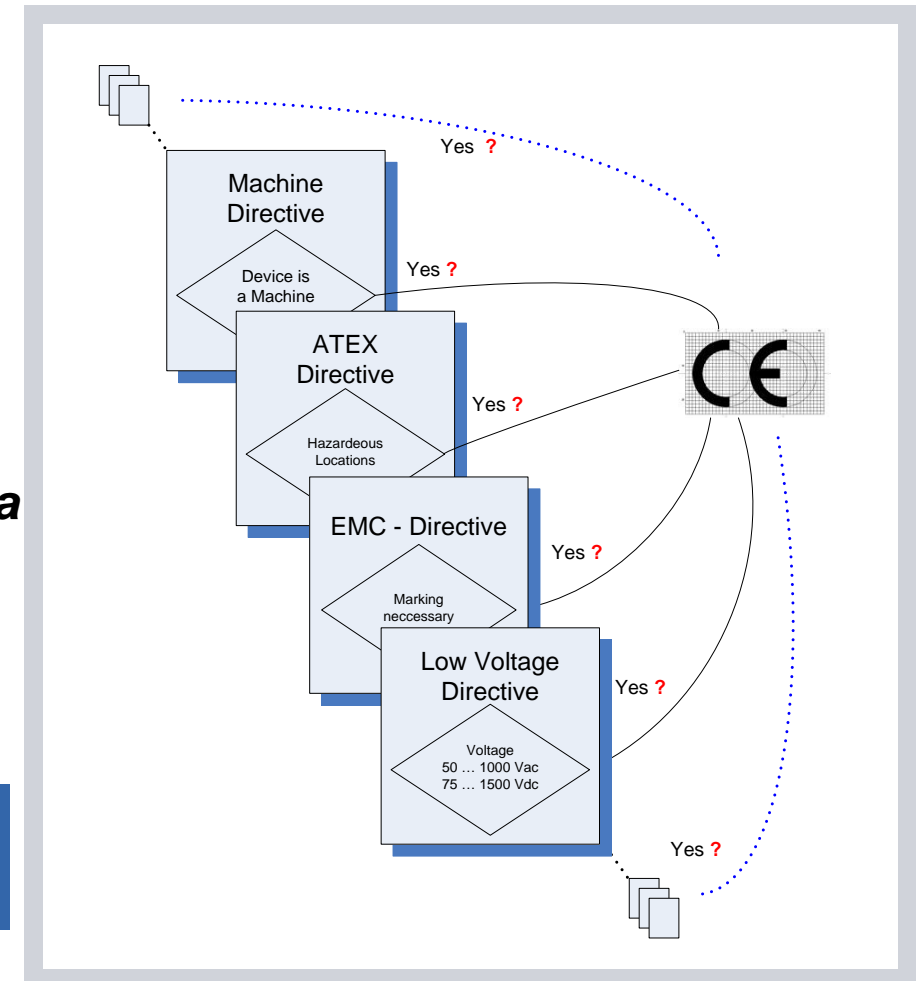


### 3. CE marking

The **CE marking** indicates that an electrical switching device or component:

- **Satisfies the main requirements**
- Has been through the conformity assessment process as defined **in the Low Voltage Directive and the other directives applicable to the product**
- And whose **free movement within the European Economic Area** may only be limited/denied if there are well grounded suspicions (presumption of effectiveness)

**It is forbidden to apply markings whose meaning or design may be confused with the meaning or design of CE marking.**





# Examples of the declaration of conformity, rating plate, and the CE marking

- Declaration of conformity for a SIVACON power distribution board
- Example rating plate of a low-voltage switchgear and controlgear assembly – according to IEC/EN 61439-2

**CE**

**Manufacturer:** Panel building Ltd.

**Serial number:** Power distribution board 12345

**Date of manufacture:** September 2012

Switchgear and controlgear assembly complies with **IEC 61439-2**

**SIEMENS**

**Konformitätserklärung**  
*Declaration of Conformity*

Nr. **EK 0001.02 de**  
no.

Wir **Siemens AG / I BT LV DS / Leipzig**  
We (Name des Herstellers / manufacturer's name)

**Südstrasse 74**  
**D-04178 Leipzig**

Hersteller / Manufacturer

Wir erklären in alleiniger Verantwortung, daß das (die) Produkt(e) **SIVACON S4** **Standardisiertes Bausteinsystem für den Bau von Niederspannungs-Schaltgerätekombinationen** **SIVACON S4** **Standardized module system for assembly of low-voltage switchgear and controlgear assemblies** mit folgenden normativen Dokumenten übereinstimmt (übereinstimmen):  
is (are) in conformity with the following normative document(s)

**IEC 61439-2 Ed. 1.0 2009-01**  
**EN 61439-2:2009**  
**VDE 0660-600-2 Juni 2010**

(Title / Hersteller Nr. sowie Ausgabejahr der normativen Dokumente / The author number and date of issue of normative document)  
Dies wird nachgewiesen durch die folgenden beschrifteten Prüfungen:  
This is documented by the following tests (see annex)

**Baurachweise nach Kapitel 10 der oben genannten Normen (siehe Anlage)**  
**Design verifications according to chapter 10 of the above mentioned standards (see annex)**

Bozüglich der aus diesem Bausteinsystem gefertigten Niederspannungs-Schaltgerätekombinationen trägt der jeweilige Hersteller die alleinige Verantwortung für die Einhaltung der oben genannten Normen sowie der Projektierungs- und Montagevorschriften der Siemens AG.  
Regarding the low-voltage switchgear and controlgear assembly, manufactured by means of this module system, the particular assembly manufacturer bears the sole responsibility for the conformity with the standards mentioned above and with the planning and assembly instructions of Siemens AG.



Leipzig, 09.09.2011  
(Ort, Datum der Ausstellung / Place, date of issue)

**Siemens Aktiengesellschaft**



**Dr. Franke**  
Leiter R&D  
Director R&D

**Zampelin**  
Leiter Produktmanagement  
Director Product Management

(Name, Funktion und Unterschrift des Delegierten / name, function and signature of authorized person)

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Any questions?

