



Area of application: basic principles

## **Check list of requirements for electrical equipment according to Low Voltage Directive 2014/35/EU, Annex I**

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Accredited Certification Body SCESp 0008  
European notified body,  
identification number 1246

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**Check list  
of requirements for electrical equipment  
according to Low Voltage Directive 2014/35/EU,  
Annex I**

Author : Peter Kocher  
Issued : 14.12.2016  
Order no. : **CE10-2.e (Available only as pdf file)**

**Check list  
of requirements for electrical equipment according to  
Low Voltage Directive 2014/35/EU, Annex I**

In order to be able to begin a type-examination procedure according to Low Voltage Directive 2014/35/EU

Suva  
Section Technology  
P. O. Box 4358  
CH-6002 Lucerne

must be supplied with the following information and documentations for the prototype to be tested together with any options.

**1. INFORMATION**

**1.1** Product

.....

**1.2** Make

.....

**1.3** Type designation or series with a list of all products that have an identical safety concept.

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.....

**1.4** Applicant's address

Name : .....

Address : .....

Country,  
postcode, town : .....

**1.5** Manufacturer's address (if different from 1.4)

Name : .....

Address : .....

Country,  
postcode, town : .....

**1.6** Place where manufactured (if different from 1.4)

Name : .....

Address : .....

Country,  
postcode, town : .....

**1.7** Name, telephone and fax number(s) of people, who can provide further information and who are responsible for the product.

Name : ..... Department : .....

Tel. no. : ..... Fax no. : .....

E-mail : .....

Name : ..... Department : .....

Tel. no. : ..... Fax no. : .....

E-mail : .....

Place, date : .....

Signature of  
applicant : .....

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## 2. TECHNICAL DOCUMENTATION

The technical documentation with the corresponding document number according to the Low Voltage Directive 2014/35/EU in line with Annex III 2. in the original language (we accept English, French, German, or Italian).

In order to reduce the amount of work done by the certification body for the type examination test, we would be grateful if you would complete the "Verification" and "Comments" lines.

*Information in italics will be completed by the certification body.*

### **Assessment:**

- 2.1** List of all documentations sent with a clear designation and information on the version and/or date (e.g. according to the manufacturer's QM system).

Document no.: ..... Date: .....

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

- 2.2** General description of the product with the defined area of application.

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

- 2.3** Conceptual design and manufacturing drawings and schemes of components, sub-assemblies, circuits, etc.

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

**2.4** Descriptions and explanations necessary for the understanding of those drawings and schemes and the operation of the electrical equipment.

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

**2.5** List of wholly or partially applied standards and a description of the solutions selected to fulfil the safety aspects of the Low Voltage Directive, where standards have not been applied.

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

**2.6** Results of design calculations made, examinations carried out, etc. and test reports.

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

**2.7** In the case of series production, a summary of measures taken internally to guarantee that the products remain in conformity with the technical documentation and with the requirements of the Low Voltage Directive.

Verification: .....

Comments: .....

OK

not OK

*Initialed:* .....

**2.8** Substantiation of the valid accreditation of the subcontractor (e.g. testing body).

- Accreditation no. ....
- Date .....

Verification: .....

Comments: .....

OK  not OK

Initialed: .....

**Assessment:**  
*(to be completed by the certification body)*

**Order number:**.....

Technical documentation OK  Technical documentation not OK

Comments: .....

.....

.....

.....

	<i>Place:</i>	<i>Date:</i>	<i>Signature:</i>	<i>Initialed by:</i>
<i>Safety expert</i> :	.....	.....	.....	.....
<i>Experts</i>				
<i>consulted</i> :	.....	.....	.....	.....
	.....	.....	.....	.....

### 3. TYPE

A representative type must be provided for the type examination test. This must comply with the technical documentation submitted.

**Assessment:**  
(to be completed by the certification body)

#### 3.1 Details of the type

Product : .....

Type : .....

Equipment/  
options : .....

.....

#### 3.2 Does the construction of the type conform to the technical documentation?

OK

not OK

Initialed: .....

Comments: .....

Initialed: .....

#### 3.3 Does the type comply with the relevant requirements of the Low Voltage Directive and the requirements of the relevant standards?

OK

not OK

Initialed: .....

Comments: .....

Initialed: .....



**Assessment:**  
*(to be completed by the certification body)*

Type OK

Type not OK

Comments: .....

.....

.....

.....

	<i>Place:</i>	<i>Date:</i>	<i>Signature:</i>	<i>Initialed by:</i>
<i>Safety expert</i>	.....	.....	.....	.....
<i>Experts</i>	.....	.....	.....	.....
<i>consulted</i>	.....	.....	.....	.....

#### 4. CHECK LIST OF DETAILED REQUIREMENTS

*(Information fields in italics will be completed by the certification body)*

##### Structure of check list

The check list must be structured according to Annex I of Directive 2014/35/EU. These requirements must always be fulfilled. The check list questions are to be regarded as a summary; the requirements must be read carefully in each individual case.

##### Comments

In order that the check list is not excessively long, the space for completion has deliberately been kept small. A copy template is provided at the end of the check list. Additional details can be provided with reference to the corresponding question.

To reduce the mutual effort required for the type examination test, we would be grateful if you would complete the "Verification" lines, i.e. indicating where in the technical documentation information on the question being asked can be found.

<b>Essential requirements relating to the the design and construction of electrical equipment according to Annex I of Directive 2014/35/EU</b>	<i>Initialed by</i>	
	<i>Fulfilled</i>	<i>Not fulfilled</i>
<b>1. General principles</b>		
a) Are the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, marked on the electrical equipment? If this is not possible, is the information given on an accompanying document?		
<i>Verification</i> <i>Comment</i>		
b) Is the electrical equipment, together with its component parts, made in such a way as to ensure that it can be safely and properly assembled and connected?		
<i>Verification</i> <i>Comment</i>		
c) Is the electrical equipment so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained?		
<i>Verification</i> <i>Comment</i>		

<b>Essential requirements relating to the the design and construction of electrical equipment according to Annex I of Directive 2014/35/EU</b>	<i>Initialed by</i>	
	<i>Fulfilled</i>	<i>Not fulfilled</i>
<b>2. Protection against hazards arising from the electrical equipment</b>		
a) Are measures of a technical nature laid down in accordance with point 1, in order to ensure the electrical equipment that persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact?		
Verification <i>Comment</i>		
b) Are measures of a technical nature laid down in accordance with point 1, in order to ensure that temperatures, arcs or radiation which would cause a danger, are not produced?		
Verification <i>Comment</i>		
c) Are measures of a technical nature laid down in accordance with point 1, in order to ensure that persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience?		
Verification <i>Comment</i>		
d) Are measures of a technical nature laid down in accordance with point 1, in order to ensure that the insulation is suitable for foreseeable conditions?		
Verification <i>Comment</i>		
<b>3. Protection against hazards which may be caused by external influences on the electrical equipment</b>		
a) Are technical measures laid down in accordance with point 1, in order to ensure that the electrical equipment meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered?		
Verification <i>Comment</i>		
b) Are technical measures laid down in accordance with point 1, in order to ensure that the electrical equipment is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered?		
Verification <i>Comment</i>		
c) Are technical measures laid down in accordance with point 1, in order to ensure that the electrical equipment does not endanger persons, domestic animals and property in foreseeable conditions of overload?		
Verification <i>Comment</i>		

**Assessment:**  
*(to be completed by the certification body)*

Requirements fulfilled

Requirements not fulfilled

Comments:

.....

.....

.....

	<i>Place:</i>	<i>Date:</i>	<i>Signature:</i>	<i>Initialed by:</i>
<i>Safety expert:</i>	: .....	.....	.....	.....
<i>Experts consulted</i>	: .....	.....	.....	.....
<i>Experts</i>	: .....	.....	.....	.....
<i>Experts</i>	: .....	.....	.....	.....