SLOVENSKI STANDARD
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Vtiči in vtičnice za gospodinjstva in podobne namene - 2-1. del: Posebne zahteve za vtiče z vgrajenimi varovalkami

Plugs and socket-outlets for household and similar purposes - Part 2-1: Particular requirements for fused plugs

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INTERNATIONAL STANDARD

IEC 60884-2-1

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Plugs and socket-outlets for household and similar purposes –

Part 2-1: Particular requirements for fused plugs

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CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-1: Particular requirements for fused plugs

FOREWORD

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International Standard IEC 60884-2-1 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

This second edition of IEC 60884-2-1 cancels and replaces the first edition published in 1987, and constitutes a technical revision. The main changes from the previous edition are as follows:

– alignment to IEC 60884-1, third edition;
– modification of Clause 14 to clarify the main constructional requirements between fused plugs for use in polarized or non-polarized systems.

The text of this standard is based on the following documents:

FDIS	Report on voting
23B/829/FDIS	23B/846/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 2-1 is intended to be used in conjunction with IEC 60884-1. It was established on the basis of the third edition (2002) of that standard.

This Part 2-1 supplements or modifies the corresponding clauses in IEC 60884-1, so as to convert that publication into the IEC standard: Particular requirements for fused plugs.

When a particular subclause of Part 1 is mentioned in this Part 2-1, that subclause applies as far as reasonable. Where this standard states “addition”, “modification” or “replacement”, the relevant text of Part 1 is to be adapted accordingly.

A list of all parts of the IEC 60884 series, under the general title: *Plugs and socket-outlets for household and similar purposes*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-1: Particular requirements for fused plugs

1 Scope

This clause of Part 1 is applicable except as follows.

Addition:

This part of IEC 60884 applies to fused plugs, where the fuses are primarily intended to protect the flexible cable or cord.

These fuses are not intended to protect appliances or parts of them against overload.

NOTE In the following country fused plugs are not used: DK.

2 Normative references

This clause of Part 1 is applicable except as follows.

Addition:

IEC 60269-1:1998, *Low voltage fuses – Part 1: General requirements*

IEC 60269-3:1987, *Low voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)*

Modification :

IEC 60417, *Graphical symbols for use on equipment*

3 Definitions

This clause of Part 1 is applicable except as follows.

Addition:

3.101
fused plug
plug incorporating one or more replaceable fuse-link(s)

4 General requirements

This clause of Part 1 is applicable.

5 General notes on tests

This clause of Part 1 is applicable.

6 Ratings

This clause of Part 1 is applicable except as follows.

Addition:

6.101 Fused plugs shall have a minimum current rating higher than or equal to the rating of the fuse intended to be fitted in accordance with the marking.

7 Classification

This clause of Part 1 is applicable.

8 Marking

This clause of Part 1 is applicable except as follows.

8.1 *Addition:*

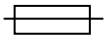
Fused plugs shall be marked to indicate the presence of a fuse within the plug; this marking may be in the form of a symbol.

Rewirable fused plugs shall be permanently marked to indicate the maximum current rating of the fuse which may be fitted to the plug. This marking may be on the plug or on a permanently attached label.

Non-rewirable fused plugs shall be permanently marked to indicate the rated current of the fuse appropriate to the attached flexible cable or cord and to the associated appliances as declared by the manufacturer.

Compliance is checked by inspection.

8.2 *Addition:*

Fuse .....  (IEC 60417-5016 (DB:2002-10))

9 Checking of dimensions

This clause of Part 1 is applicable.

10 Protection against electric shock

This clause of Part 1 is applicable except as follows.

Addition:

10.101 It shall not be possible to remove or replace the fuse-links in a fused plug unless the plug is completely withdrawn from the socket-outlet.

Compliance is checked by inspection.

11 Provision for earthing

This clause of Part 1 is applicable.

12 Terminals and terminations

This clause of Part 1 is applicable.

13 Construction of fixed socket-outlets

This clause of Part 1 is not applicable.

14 Construction of plugs and portable socket-outlets

This clause of Part 1 is applicable except as follows.

Addition:

14.101 Fuse-links shall be replaceable.

Provision shall be made within the body of a fused plug for a suitable fuse-link complying with IEC 60269-1 and IEC 60269-3 as far as they reasonably apply (see 14.22).

A fuse-link shall not be fitted in the earthing circuit.

For plugs to be used in a non polarized system, fuse-links shall be fitted in all current-carrying poles (line and neutral).

For plugs to be used in a polarized system, a fuse-link shall only be fitted in each line pole.

Fuse-links shall be mounted between contacts fitted to the terminal or termination of the conductor of the flexible cable or cord and to the corresponding plug pin.

The design of plugs shall be such that adequate contact with fuse-links is maintained when the plug is assembled.