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Responsible committee: PEL/23/1 Circuit breakers and similar equipment for household use

Interested committees:

Title: BS EN IEC 60898-3/AA Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations

Part 3: Circuit-breakers for DC operation

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

**Electrical accessories - Circuit-breakers for overcurrent
protection for household and similar installations - Part 3: Circuit-
breakers for DC operation**

To be completed

Elektrisches Installationsmaterial - Leitungsschutzschalter
für Hausinstallationen und ähnliche Zwecke - Teil 3:
Leitungsschutzschalter für Gleichstrom (DC)

This draft amendment prAA, if approved, will modify the European Standard prEN IEC 60898-3:2023; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2023-10-20.

It has been drawn up by CLC/TC 23E.

If this draft becomes an amendment, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

This draft amendment was established by CENELEC in three official versions (English, French, German).

A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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27 European foreword

28 This document (prEN IEC 60898-3:2023/prAA:2023) has been prepared by CLC/TC 23E "Circuit breakers and
29 similar devices for household and similar applications".

30 This document is currently submitted to the Enquiry.

31 The following dates are proposed:

- latest date by which the existence of this (doa) dor + 6 months
document has to be announced at national
level
- latest date by which this document has to be (dop) dor + 12 months
implemented at national level by publication of
an identical national standard or by
endorsement
- latest date by which the national standards (dow) dor + 36 months
conflicting with this document have to be (to be confirmed or
withdrawn modified when voting)

32 This document is read in conjunction with prEN IEC 60898-3:2023 and prEN IEC 60898-3:2023/prA1:2023.

33 This document has been prepared under a Standardization Request given to CENELEC by the European
34 Commission and the European Free Trade Association, and supports essential requirements of EU
35 Directive(s) / Regulation(s).

36 For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of
37 this document.

1 Modifications to Clause 1

Add at the end of the sentence of the 3rd paragraph:

“and overvoltage category III.”

Add after the 3rd paragraph the following note:

“

NOTE 1 Additional requirements are necessary for circuit-breakers used in locations having more severe overvoltage conditions.”

Replace the 5th paragraph with the following:

“Circuit-breakers in compliance with this document are suitable for use in TN and TT system. Under specific conditions, circuit-breakers of this document are also suitable for use in IT systems, provided, that the requirements of HD 60364-4-43:2010 are complied with.”

Add after the 11th paragraph the following new paragraph:

“Supplementary requirements can be necessary for circuit-breakers of the screw-in types.”

Renumber “Note” as “Note 2”

Add after new Note 2 the following new Note 3:

“

NOTE 3 Recommendations for the dimensional coordination between enclosures and circuit breakers for mounting on rails according to EN 60715 or equivalent means are given in the CENELEC report PD CLC/TR 50473.”

2 Modification to Clause 2, “Normative References”

Add the following references:

EN 60051-1:2017, *Direct acting indicating analogue electrical measuring instruments and their accessories - Part 1: Definitions and general requirements common to all parts*

HD 60364-4-43:2010, *Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent*

HD 60364-5-52:2011, *Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems*

3 Modifications to Clause 3

Add at the end of 3.2 the following two new definitions:

“

3.2.16

type test

test of one or more devices made to a certain design to show that the design meets certain requirements

[SOURCE: IEC 60050-441:1984, 441-53-01, modified]

3.2.17

routine test

test to which each individual device is subjected during or after manufacture to ascertain whether it complies with certain criteria

[SOURCE: IEC 411-53-02, modified]

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