

Connecting devices for low-voltage circuits for household and similar purposes —

Part 2-3: Particular requirements for connecting devices as separate entities with insulation piercing clamping units

The European Standard EN 60998-2-3:1993 has the status of a
British Standard

UDC 621.315.684:621.315.3:621.316.172

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The European Committee for Electrotechnical Standardization (CENELEC), under whose supervision this European Standard was prepared, comprises the national committees of the following countries:

Austria	Italy
Belgium	Luxembourg
Denmark	Netherlands
Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
Iceland	Switzerland
Ireland	United Kingdom

This British Standard, having been prepared under the direction of the Power Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 March 1994

© BSI 12-1999

The following BSI references relate to the work on this standard:
Committee reference PEL/4
Draft for comment 88/27360 DC

ISBN 0 580 22813 4

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Foreword	2
Text of EN 60998-2-3	3
National annex NA (informative) Committees responsible	Inside back cover

National foreword

This British Standard has been prepared under the direction of the Power Electrical Engineering Standards Policy Committee and is the English language version of EN 60998-2-3:1993 *Connecting devices for low-voltage circuits for household and similar purposes — Part 2-3: Particular requirements for connecting devices as separate entities with insulation piercing clamping units*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 998-2-3:1991 published by the International Electrotechnical Commission (IEC).

BS EN 60998-2-3 is intended to be used in conjunction with BS EN 60998-1 *Connecting devices for low-voltage circuits for household and similar purposes — Part 1: General requirements*.

In the text of this standard, “Part 1” refers to BS EN 60998-1, which applies unless otherwise stated. Where this standard states “addition”, “modification” or “replacement”, the relevant text of BS EN 60998-1 is to be adapted accordingly.

Subclauses, tables and figures which are additional to those in BS EN 60998-1 are numbered starting from 101. An additional annex is lettered AA.

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given only for information.

The following print types are used in this standard:

- requirement: in roman type;
- test specification: *in italic type*;
- notes: in smaller roman type.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 621.315.684:621.315.3:621.316.172

Descriptors: Low voltage equipment, home electrical installations, connecting equipment, insulation piercing clamping units, characteristics, tests

English version

Connecting devices for low-voltage circuits for household
and similar purposes
Part 2-3: Particular requirements for connecting devices as
separate entities with insulation piercing clamping units

(IEC 998-2-3:1991)

Dispositifs de connexion pour circuits basse
tension pour usage domestique et analogue
Partie 2-3: Règles particulières pour
dispositifs de connexion en tant que parties
séparées avec organes de serrage à perçage
d'isolant
(CEI 998-2-3:1991)

Verbindungsmaterial für
Niederspannungs-Stromkreise für Haushalt
und ähnliche Zwecke
Teil 2-3: Besondere Anforderungen für
Verbindungsmaterial als selbständige
Betriebsmittel mit Schneidklemmstellen
(IEC 998-2-3:1991)

This European Standard was approved by CENELEC on 1993-09-22. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 998-2-3:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as a European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60998-2-3 on 22 September 1993.

The following dates were fixed:

- latest date of publication of (dop) 1994-09-01
an identical national
standard
- latest date of withdrawal of (dow) 1997-09-01
conflicting national
standards

For products which have complied with the relevant national standard before 1997-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-09-01.

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 Definitions	3
4 General	3
5 General notes on tests	3
6 Main characteristics	3
7 Classification	3
8 Marking	4
9 Protection against electric shock	4
10 Connection of conductors	4
11 Construction	5
12 Resistance to ageing, to humid conditions, to ingress of solid objects and to harmful ingress of water	5
13 Insulation resistance and electric strength	6
14 Mechanical strength	6
15 Temperature rise and electrical performances	7
16 Resistance to heat	9
17 Creepage distances, clearances and distances through sealing compound	9
18 Resistance of insulating material to abnormal heat and fire	9
19 Resistance of insulating material to tracking	9
Annex AA (normative) Tests sequences and sets of samples	10
Figure 101 — Test apparatus according to sub-clause 14.101	11
Figure 102	12
Figure 103 — Examples of insulation piercing clamping units	13
Table 101 — Rated connecting capacity and connectable conductors	4
Table 102	5
Table 103	6
Table 104	7