

Connecting devices — Electrical copper conductors — Safety requirements for screw-type and screwless-type clamping units —

**Part 2: Particular requirements for
clamping units for conductors above
35 mm² up to 300 mm² (included)**

The European Standard EN 60999-2:2003 has the status of a
British Standard

ICS 29.120.20; 29.130.20

National foreword

This British Standard is the official English language version of EN 60999-2:2003. It is identical with IEC 60999-2:2003.

The UK participation in its preparation was entrusted by Technical Committee PEL/17, Switchgear, controlgear, and HV-LV co-ordination, to Subcommittee PEL/17/2, Low-voltage switchgear and controlgear, which has the responsibility to:

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 18, an inside back cover and a back cover.

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Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 12 August 2003

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ISBN 0 580 42394 8

EUROPEAN STANDARD

EN 60999-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2003

ICS 29.120.20;29.130.20

English version

**Connecting devices –
Electrical copper conductors –
Safety requirements for screw-type and screwless-type clamping units
Part 2: Particular requirements for clamping units for conductors
above 35 mm² up to 300 mm² (included)
(IEC 60999-2:2003)**

Dispositifs de connexion –
Conducteurs électriques en cuivre -
Prescriptions de sécurité pour
organes de serrage à vis et sans vis
Partie 2: Prescriptions particulières pour
les organes de serrage pour conducteurs
au-dessus de 35 mm² et jusqu'à 300 mm²
(inclus)
(CEI 60999-2:2003)

Verbindungsmaterial –
Elektrische Kupferleiter -
Sicherheitsanforderungen für
Schraubklemmstellen und schraubenlose
Klemmstellen
Teil 2: Besondere Anforderungen für
Klemmstellen für Leiter über 35 mm² bis
einschließlich 300 mm²
(IEC 60999-2:2003)

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CENELEC

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

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Foreword

The text of document 17B/1274/FDIS, future edition 2 of IEC 60999-2, prepared by SC 17B, Low-voltage switchgear and controlgear, of IEC TC 17, Switchgear and controlgear, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60999-2 on 2003-07-01.

This part of EN 60999 should be read in conjunction with EN 60999-1:2000.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2004-04-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-07-01

As the AWG sizes are not used in Europe the following apply:

- Clause 6: delete the note;
- Table 1: delete columns 4, 5 and 6;
- Table 1: delete the text of the note after "IEC 60228A";
- Table 2: delete column 2;
- Table C.2: delete Table C.2 completely;
- Bibliography: delete the bibliography completely.

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes B, C and ZA are normative and annex A is informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60999-2:2003 was approved by CENELEC as a European Standard without any modification.

CONTENTS

INTRODUCTION.....	4
1 Scope.....	5
2 Normative references	5
3 Definitions	5
4 General	6
5 General notes on tests	6
6 Main characteristics.....	6
7 Connection of conductors	6
8 Constructional requirements	7
9 Tests	8
Annex A (informative) Relationship between mm ² and AWG/kcmil sizes	14
Annex B (normative) Conductor rated cross-section and corresponding gauges.....	15
Annex C (normative) Construction of stranded and flexible conductors	16
Annex ZA (normative) Normative references to international publications with their corresponding European publications	17
Bibliography.....	18
Figure 1 – Test apparatus according to 9.4	13
Figure 2 – Gauges of form A and form B	13
Table 1 – Relationship between rated cross-section and diameter of conductors	7
Table 2 – Test values for flexion and pull-out tests for round copper conductors	10
Table 3 – Tightening torques for the verification of the mechanical strength of screw- type terminals	11
Table A.1 – Approximate relationship between mm ² and AWG/kcmil sizes.....	14
Table B.1 – Rated cross-section and corresponding gauges	15
Table C.1 – Construction of stranded and flexible conductors according to rated cross-sections.....	16
Table C.2 – Construction of stranded and flexible conductors according to AWG/kcmil sizes	16

INTRODUCTION

This safety standard is a continuation of IEC 60999-1 and covers clamping units for copper conductors above 35 mm² up to and including 300 mm². The scope of IEC 60999-1 is limited up to 35 mm². This standard gives guidance to technical committees using clamping units above 35 mm² up to 300 mm².

CONNECTING DEVICES – ELECTRICAL COPPER CONDUCTORS – SAFETY REQUIREMENTS FOR SCREW-TYPE AND SCREWLESS-TYPE CLAMPING UNITS –

Part 2: Particular requirements for clamping units for conductors above 35 mm² up to 300 mm² (included)

1 Scope

This part of IEC 60999 applies to screw-type and screwless-type clamping units for connecting devices, either as separate entities or as integral parts of equipment, for the connection of electrical copper conductors (complying with IEC 60228), rigid stranded and/or flexible, having a cross-section above 35 mm² and up to and including 300 mm² and equivalent AWG/kcmil sizes with a rated voltage not exceeding 1 000 V a.c. and a frequency up to and including 1 000 Hz and 1 500 V d.c.

It applies to clamping units primarily suitable for connecting unprepared conductors.

This standard does not apply to clamping units:

- for connection by crimping or soldering;
- for non-universal clamping units defined in 3.10.2 of IEC 60999-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60228:1978, *Conductors of insulated cables*
Amendment 1 (1993)

IEC 60228A:1982, *Conductors of insulated cables – First supplement*

IEC 60999-1:1999, *Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units – Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm² up to 35 mm² (included)*

3 Definitions

For the purposes of this part of IEC 60999, Clause 3 of IEC 60999-1 applies, with the following modifications.

Definition 3.10.2 of IEC 60999-1 is not applicable.