

Svenska Elektriska Kommissionen, SEK

Fastställt	Utgåva	Sida	Ingår i
2002-06-19	1	1 (1+15)	SEK Område 78

© Copyright SEK. Reproduction in any form without permission is prohibited.

Elektriskt isolerande hjälmar för användning i lågspänningsanläggningar

Electrically insulating helmets for use on low voltage installations

Som svensk standard gäller europastandarden EN 50365:2002. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50365:2002.

ICS 13.340.20; 13.260

Denna standard är fastställd av Svenska Elektriska Kommissionen, SEK, som också kan lämna upplysningar om **sakinnehållet** i standarden.
Postadress: SEK, Box 1284, 164 29 KISTA
Telefon: 08 - 444 14 00. Telefax: 08 - 444 14 30
E-post: sek@sekom.se. Internet: www.sekom.se

EUROPEAN STANDARD

EN 50365

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2002

ICS 13.340.20; 13.260

English version

Electrically insulating helmets for use on low voltage installations

Casques électriquement isolants
pour utilisation sur installations
à basse tension

Elektrisch isolierende Helme für Arbeiten
an Niederspannungsanlagen

This European Standard was approved by CENELEC on 2001-07-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, 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

This European Standard was prepared by the Technical Committee CENELEC TC 78, Equipment and tools for live working.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50365 on 2001-07-01.

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) 2002-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-08-01

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

Annexes designated "informative" are given for information only.

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

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 89/686/EEC.

Contents

1	Scope	4
2	Normative references	4
3	Definitions	5
4	Classification	5
5	Requirements	5
5.1	General	5
5.2	Non-electrical requirements	5
5.3	Electrical requirements	5
5.4	Marking	6
5.5	Packaging	6
5.6	Instructions for use	6
6	Tests	6
6.1	General	6
6.2	Non-electrical tests	6
6.3	Electrical tests	7
6.4	Marking	8
6.5	Packaging	8
7	Quality assurance plan and acceptance tests	8
7.1	General	8
7.2	Sampling procedure	8
7.3	Acceptance tests	8
	Annex A (normative) General test procedure	11
	Annex B (normative) Instructions for use	12
	Annex C (normative) Sampling procedure	13
	Annex D (informative) Acceptance tests	15
	Figures	
	Figure 1 - Arrangement for electrical tests	9
	Figure 2 - Marking	10
	Tables	
	Table 1 - Proof test voltage, proof test current and withstand test voltage	8
	Table A.1 - Sequence of tests	11
	Table C.1 - Classification of defects	13
	Table C.2 - Major defects	13
	Table C.3 - Minor defects	14

1 Scope

This standard is applicable to electrically insulating helmets used for working live or close to live parts on installations not exceeding 1 000 V a.c. or 1 500 V d.c.

These helmets, when used in conjunction with other electrically insulating protective equipment prevent dangerous current from passing through persons via their head.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 397:1995 + A1:2000	Industrial safety helmets
EN 443:1997	Helmets for fire fighters
EN 960:1994 + A1:1998	Headforms for use in the testing of protective helmets
EN 60060-2:1994 + A11:1998	High-voltage test techniques -- Part 2: Measuring systems (IEC 60062-2:1994)
EN 60529:1991 + A1:2000	Degrees of protection provided by enclosures (IP Code)
EN/ISO 9000 (Series)	Quality management and quality assurance standards
HD 437 S1:1984	Standard conditions for use prior to and during the testing of solid electrical insulating materials (IEC 60212:1971)
HD 588.1 S1:1991	High-voltage test techniques -- Part 1: General definitions and test requirements (IEC 60060-1:1989 + corrigendum March 1990)
IEC 60050-151:2001	International Electrotechnical Vocabulary -- Part 151: Electrical and magnetic devices
IEC 61318:1994	Live working - Guidelines for quality assurance plans
ISO 2859-1:1999	Sampling procedures for inspection by attributes -- Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
ISO 2859-2:1985	Sampling procedures for inspection by attributes -- Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection
ISO/DIS 6344-1:1998	Coated abrasives – Grain size analysis -- Part 1: Grain size distribution test