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Responsible committee: PEL/78 Tools for live working

Interested committees:

Title: BS EN IEC 63232-2 Live working - Hand protective devices against the thermal hazards of an electric arc

Part 2: Requirements

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- 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.

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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 Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.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

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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.	



78/1463/CD

COMMITTEE DRAFT (CD)

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CLOSING DATE FOR COMMENTS:
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SUPERSEDES DOCUMENTS:
78/1368/NP, 78/1375A/RVN

IEC TC 78 : LIVE WORKING	
SECRETARIAT: France	SECRETARY: Mrs Sophie CHABIN
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.
FUNCTIONS CONCERNED: ☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☐ SAFETY	

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

Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Live working - Hand protective devices against the thermal hazards of an electric arc - Part 2: Requirements

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LIVE WORKING –
HAND PROTECTIVE DEVICES AGAINST THE THERMAL
HAZARDS OF AN ELECTRIC ARC – Requirements****FOREWORD**

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International Standard IEC 63232-2 has been prepared by IEC technical committee 78: Live working.

Defined terms are written in *italic* characters in this document.

105

INTRODUCTION

106 This International Standard has been prepared in accordance with the requirements of
107 IEC 61477.

108 The products designed and manufactured according to this standard contribute to the safety of
109 the users, provided they are used by skilled or instructed persons, in accordance with safe
110 methods of work and the instructions for use.

111 The product covered by this standard may have an impact on the environment during some or
112 all stages of its life cycle. These impacts can range from slight to significant, be of short-term
113 or long-term, and occur at the global, regional or local level.

114 This standard does not include requirements and test provisions for the manufacturers of the
115 product, or recommendations to the users of the product for environmental improvement.
116 However, all parties intervening in its design, manufacture, packaging, distribution, use,
117 maintenance, repair, reuse, recovery and disposal are invited to take account of environmental
118 considerations.

119

LIVE WORKING – HAND PROTECTIVE DEVICE AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC –

Part 2: Requirements

1 Scope

This part of IEC 63232 is applicable to *hand protective devices* and *assembly's* used in work where there is the risk of exposure to an electric arc hazard.

This document specifies requirements and test methods applicable to *hand protective devices* and *hand protective device assembly's* for electrical workers against the thermal hazards of an electric arc.

Electric shock hazards are not covered by this document. The present standard is applicable in combination with standards covering such hazards.

Other effects than the thermal effects of an electric arc like noise, light emissions, pressure rise, hot oil, electric shock, the consequences of physical and mental shock or toxic influences are not covered by this document.

The document also provides guidance on specification of optional characteristics of work gloves requiring mechanical protection in addition to the thermal hazards of electric arc.

This document uses test methods to produce an *arc rating* using IEC 63232-1-1 or an *arc protective class (APC)* using IEC 63232-2. For devices which are not flame resistant, the standard employs an *ignition threshold* level requirement to assure these devices are not used past a level of their protective ability.

Protection of body, eyes, face, head, and feet against electric arc hazard is not covered by this standard.

Hand protective device for work intentionally using an *electric arc*, e.g., arc welding, plasma torch are not covered by this document.

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 60417-6353: *Protection against the thermal effects of the electric arc*

IEC 60903:2014 *Live working - Electrical insulating gloves*

IEC 61318:2021, *Live working - Methods for assessment of defects and verification of performance applicable to tools, devices and equipment*

IEC 61340-2-3:2000, *Electrostatics - Part 2-3: Methods of test for determining the resistance and resistivity of solid planar materials used to avoid electrostatic charge accumulation*

IEC 61477:2009, *Live working – Minimum requirements for the utilization of tools, devices and equipment*