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Interested committees:

Title: Draft BS EN IEC 61076-8-113 Connectors for electrical and electronic equipment - Product requirements. Part 8-113: Power connectors - Detail specification for 2P+PE CBC power connectors with 400V DC rated voltage and 20 A rated current.

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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.

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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	Comment (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.	



48B/3190/CD

COMMITTEE DRAFT (CD)

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SUPERSEDES DOCUMENTS:
48B/3126/NP, 48B/3151/RVN

IEC SC 48B : ELECTRICAL CONNECTORS

SECRETARIAT:
United States of America

SECRETARY:
Mr Jeffrey Toran

OF INTEREST TO THE FOLLOWING COMMITTEES:

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

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TITLE:

Connectors for electrical and electronic equipment - Product requirements - Part 8-113: Power connectors - Detail specification for 2P+PE CBC power connectors with 400V DC rated voltage and 20 A rated current

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS – Part 8-113: Power connectors - Detail specification for 2P+PE CBC power connectors with latching function, with 400 V AC or DC rated voltage and 20 A rated current

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IEC 61076-8-113 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

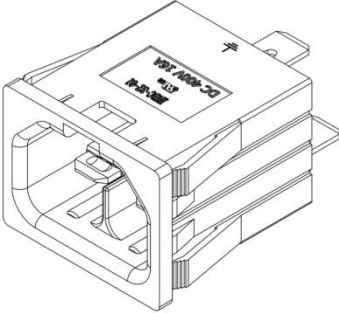
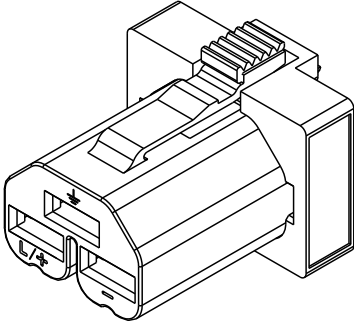
154 The language used for the development of this International Standard is English.

155 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
156 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
157 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
158 described in greater detail at www.iec.ch/publications.

159 The committee has decided that the contents of this document will remain unchanged until the
160 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
161 specific document. At this date, the document will be

- 162 • reconfirmed,
- 163 • withdrawn, or
- 164 • revised.

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The International Electrotechnical Commission IEC SC 48B — Electrical connectors		IEC 61076-8-113 Ed. 1
Detail specification in accordance with IEC 61076-1		
Fixed connector		For rated voltage of 400 V AC or DC and rated current of 20 A; 2P+PE; Straight; Hot-plugging CBC.
Free connector		For rated voltage of 400 V AC or DC and rated current of 20 A ; 2P+PE; Straight; Hot-plugging CBC.

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**CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT –
PRODUCT REQUIREMENTS –
Part 8-113: Power connectors - Detail specification for 2P+PE CBC power
connectors with latching function, with 400 V AC or DC rated voltage and
20 A rated current**

1 Scope

This part of IEC 61076 covers 2P+PE power connectors with latching function, with 400 V AC or DC rated voltage and 20 A rated current, and specifies the interface dimensions, technical parameters, performance requirements, and test methods for these connectors.

Connectors according to this document are connectors with breaking capacity (CBC) according to IEC 61984, which are applicable for hot pluggable power, in the field of electrical and electronic equipment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60050-581, *International Electrotechnical Vocabulary – Part 581: Electromechanical components for electronic equipment*

IEC 60068-1, *Environmental testing – Part 1: General and guidance*

IEC 60068-2-60, *Environmental testing – Part 2-60: Tests – Test Ke: Flowing mixed gas corrosion test*

IEC 60228, *Conductors of insulated cables*

IEC 60352-1, *Solderless connections – Part 1: Wrapped connections - General requirements, test methods and practical guidance*

IEC 60352-2, *Solderless connections – Part 2: Spring clamp connections - General requirements, test methods and practical guidance*

IEC 60352-3, *Solderless connections – Part 3: Solderless accessible insulation displacement connections - General requirements, test methods and practical guidance*

IEC 60352-4, *Solderless connections – Part 4: Solderless non-accessible insulation displacement connections - General requirements, test methods and practical guidance*

IEC 60352-5, *Solderless connections – Part 5: Press-in connections - General requirements, test methods and practical guidance*

IEC 60352-6, *Solderless connections – Part 6: Insulation piercing connections - General requirements, test methods and practical guidance*