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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/3161/CD

COMMITTEE DRAFT (CD)

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SUPERSEDES DOCUMENTS:

48B/3123/NP, 48B/3149/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 3-128:
Rectangular connectors - Detail specification for 16-pole wrench locking connectors with 3,5 A
rated current and IP65 plastic housing**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT -
PRODUCT REQUIREMENTS -
Part 3-128: Rectangular connectors – Detail specification for 16-pole
connectors with 3,5 A rated current, 80 V DC rated voltage and IP65 plastic
housing with locking lever
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- IEC 61076-3-128 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

The text of this standard is based on the following documents:

FDIS	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.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement 1.

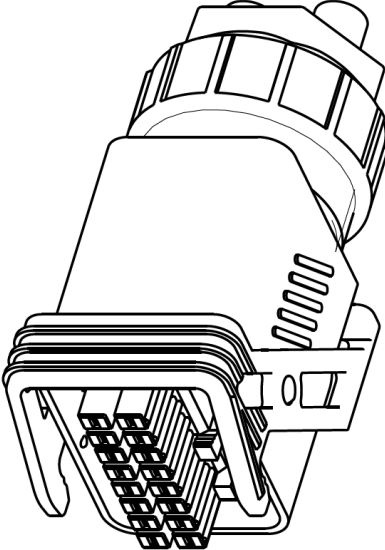
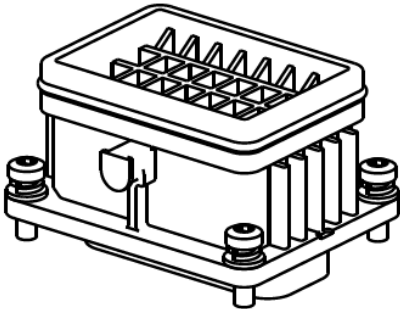
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- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

The National Committees are requested to note that for this publication the stability date is 20XX.

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The International Electrotechnical Commission IEC SC 48B—connectors		IEC 61076-3-128 Ed. 1
Detail specification in accordance with IEC 61076-3		
Free connector		For rated current of 3,5 A and rated voltage 80 V DC; 16-pole; Insulating housing with Locking lever.
Fixed connector		For rated current of 3,5 A and rated voltage 80 V DC; 16-pole; Insulating housing with Locking lever.

**CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT -
PRODUCT REQUIREMENTS -
Part 3-128: Rectangular connectors – Detail specification for 16-pole
connectors with 3,5 A rated current, 80V DC rated voltage and IP65 plastic
housing with locking lever**

1 Scope

This part of IEC 61076 covers 16-pole rectangular connectors with insulating housing with locking lever, with IP65 degree of protection according to IEC 60529.

It specifies the interface dimensions, technical parameters, performance requirements, and test methods for these connectors with 3,5 A rated current and a rated voltage up to and including 80 V DC, for use 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 60352-2, *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*

IEC 60352-7, *Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance*

IEC 60512-1-1, *Connectors for electronic equipment-Tests and measurements – Part 1-1: General examination-Test 1a: Visual examination*

IEC 60512-1-2, *Connectors for electronic equipment-Tests and measurements – Part 1-2: General examination-Test 1b: Examination of dimension and mass*

IEC 60512-2-1, *Connectors for electronic equipment – Tests and measurements – Part 2-1: Electrical continuity and contact resistance tests – Test 2a: Contact resistance – Millivolt level method*

IEC 60512-2-6, *Connectors for electronic equipment – Tests and measurements – Part 2-6: Electrical continuity and contact resistance tests – Test 2f: Housing (shell) electrical continuity*