

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**Connectors for electronic equipment – Product requirements –  
Part 3-120: Rectangular connectors – Detail specification for rewirable power  
connectors with snap locking for rated voltage of 250 V d.c. and rated current of  
30 A**

**Connecteurs pour équipements électroniques – Exigences de produit –  
Partie 3-120: Connecteurs rectangulaires – Spécification particulière pour  
connecteurs de puissance démontables à encliquetage pour une tension  
continue assignée de 250 V et un courant assigné de 30 A**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**CONNECTORS FOR ELECTRONIC EQUIPMENT –  
PRODUCT REQUIREMENTS –**

**Part 3-120: Rectangular connectors – Detail specification  
for rewirable power connectors with snap locking for rated voltage  
of 250 V d.c. and rated current of 30 A**

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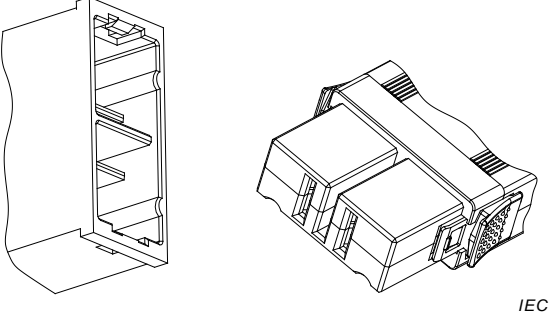
FDIS	Report on voting
48B/2498/FDIS	48B/2511/RVD

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<p>The International Electrotechnical Commission IEC SC 48B —Electrical connectors</p>	<p>IEC 61076-3-120</p>
<p>Detail specification in accordance with IEC 61076-3</p>	
	<p>Rewirable power connectors with snap locking for rated voltage of 250 V d.c. and rated current of 30 A</p>
	<p>Fixed and free connectors, for telecommunication equipment</p>

## INTRODUCTION

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## CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

### Part 3-120: Rectangular connectors – Detail specification for rewirable power connectors with snap locking for rated voltage of 250 V d.c. and rated current of 30 A

#### 1 Scope

This part of IEC 61076-3 describes a 2 pole 30 A rectangular power connector with snap locking (hereinafter shortly referred to as connector), including overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods.

The products covered by this detail specification are connectors without breaking capacity according to IEC 61984:2008 which are mainly for use in DC power distribution equipment in the telecommunications field, such as in outdoor telecom modules, distributed frames, etc.

#### 2 Normative references

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

IEC 60050-581:2008, *International Electrotechnical Vocabulary – Part 581: Electro-mechanical components for electronic equipment*

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

IEC 60228:2004, *Conductors of insulated cables*

IEC 60352 (all parts), *Solderless connections*

IEC 60512 (all parts), *Connectors for electronic equipment – Tests and measurements*

IEC 60512-1-2:2002, *Connectors for electronic equipment – Tests and measurements – Part 1-2: General examination*

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 mm<sup>2</sup> up to 35 mm<sup>2</sup> (included)*

IEC 61076-1:2006, *Connectors for electronic equipment – Part 1: Generic specification*

IEC 61076-3:2008, *Connectors for electronic equipment – Product requirements – Part 3: Rectangular connectors – Sectional specification*

IEC 61984:2008, *Connectors – Safety requirements and tests*

IEC 62430, *Environmentally conscious design for electrical and electronic products*