



BSI Standards Publication

Connectors for electrical and electronic equipment – Product requirements

Part 3-126: Rectangular connectors – Detail specification for 5 pole power connectors for industrial environments with push-pull locking

National foreword

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**Connectors for electrical and electronic equipment – Product requirements –
Part 3-126: Rectangular connectors – Detail specification for 5 pole power
connectors for industrial environments with push-pull locking**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRICAL AND ELECTRONIC
EQUIPMENT – PRODUCT REQUIREMENTS –****Part 3-126: Rectangular connectors – Detail specification for 5 pole
power connectors for industrial environments with push-pull locking**

FOREWORD

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IEC PAS 61076-3-126 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 PAS is based on the following document:

This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document

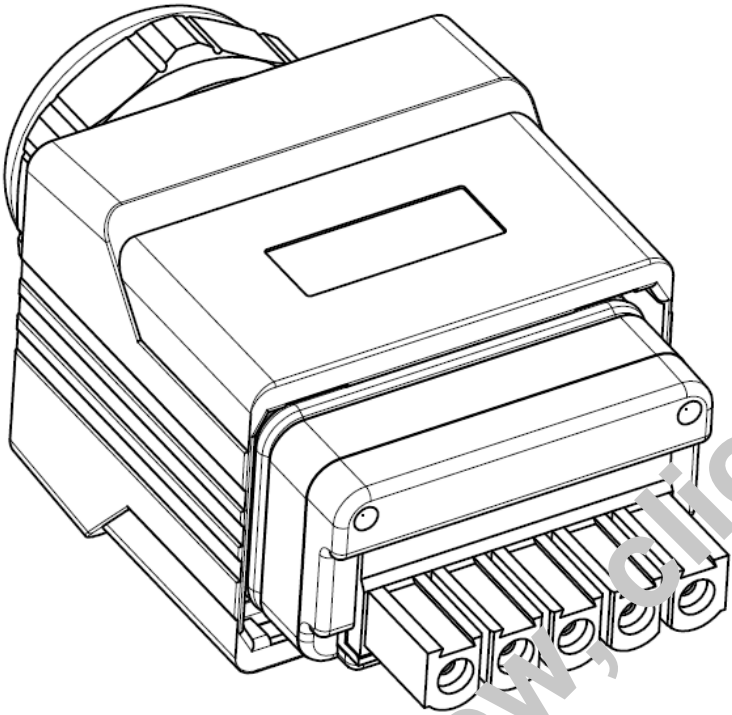
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48B/2593/PAS	48B/2612/RVC

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INTRODUCTION

<p>IEC SC 48B – Electrical connectors Specification available from: IEC General secretariat or from the addresses shown on the inside cover.</p>	<p>IEC 61076-3-126 Ed.1</p>
<p>ELECTRONIC COMPONENTS DETAIL SPECIFICATION in accordance with IEC 61076-1</p>	
	<p>Rectangular connectors Detail specification for power connectors for industrial environments with push-pull locking Male and female connectors Male and female contacts Rewirable – Non-rewirable</p>
	<p>Free cable connectors Straight and right angle connectors Fixed connectors Flange mounting Single hole mounting</p>

CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 3-126: Rectangular connectors – Detail specification for 5 pole power connectors for industrial environments with push-pull locking

1 Scope

This document covers rectangular IP65/IP67 connectors with 5 poles for electric power supply up to 16 A. These connectors consist of fixed and free connectors, either rewirable or non-rewirable (for both portions). It uses the general function principles of the push-pull connector housing system described in IEC 61076-3-117 with IP65/IP67 degree of protection according to IEC 60529 for harsh applications.

Male connectors have 5 square 1 mm electric contacts, with 16 A rated current. Connectors according to this document are without breaking capacity COC according to IEC 61984, therefore they are not intended to be engaged or disengaged in normal use when live or under load, if not otherwise specified by the manufacturer.

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

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

IEC 60068-2-30, *Environmental testing – Part 2-30: Tests – Test Db: Damp heat, cyclic (12 h + 12 h cycle)*

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

IEC 60352-2, *Solderless connections – Part 2: Crimped 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*