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Connectors for electrical and electronic equipment – Product requirements – Part 8-106: Power connectors – Detail specification for 2-poles push-pull coupling rectangular connectors with fuses, for 400 V DC rated voltage and 16 A rated current

Connecteurs pour équipements électriques et électroniques – Exigences de produit – Partie 8-106: Connecteurs d'alimentation – Spécification particulière pour les connecteurs bipolaires rectangulaires à accouplement pousser-tirer équipés de coupe-circuits, pour une tension assignée de 400 V en courant continu et un courant assigné de 16 A



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 8-106: Power connectors – Detail specification for 2-poles push-pull
coupling rectangular connectors with fuses, for 400 V DC rated voltage
and 16 A rated current**

FOREWORD

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

Draft	Report on voting
48B/2956/CDV	48B/2993/RVC

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

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

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, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

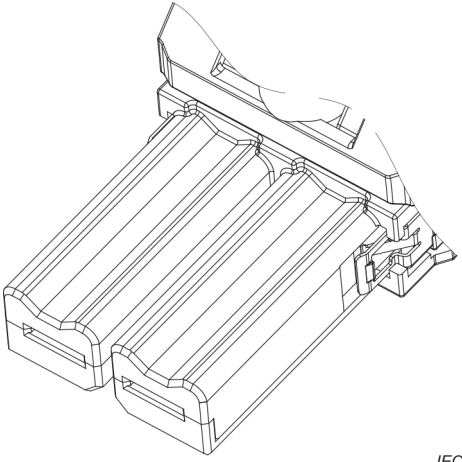
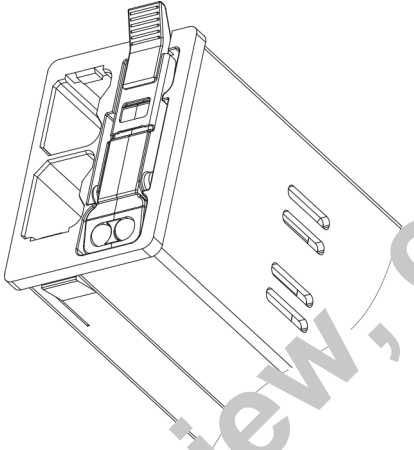
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Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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The International Electrotechnical Commission IEC SC 48B – Electrical connectors		IEC 61076-8-106 Ed.1
Detail specification in accordance with IEC 61076-1		
Free connector	 <p style="text-align: right;"><i>IEC</i></p> <p style="text-align: center;">2-pole 16 A free connector</p>	<p>Free rectangular connector;</p> <p>For rated voltage of 400 V DC and rated current of 16 A;</p> <p>2-pole;</p> <p>Receptacle contacts for power;</p> <p>Push-pull and snap locking;</p> <p>Two codings.</p>
Fixed connector	 <p style="text-align: right;"><i>IEC</i></p> <p style="text-align: center;">2-pole 16 A fixed connector</p>	<p>Fixed rectangular connector;</p> <p>For rated voltage of 400 V DC and rated current of 16 A;</p> <p>2-pole;</p> <p>With two fuses;</p> <p>Blade contacts for power;</p> <p>Push-pull and snap locking;</p> <p>Two codings.</p>

CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 8-106: Power connectors – Detail specification for 2-poles push-pull coupling rectangular connectors with fuses, for 400 V DC rated voltage and 16 A rated current

1 Scope

This part of IEC 61076-8 applies to free and fixed, 2-pole push-pull and snap locking power rectangular connectors with fuses, with rated voltage of 400 V DC and rated current of 16 A. It includes overall dimensions, interface dimensions, technical characteristics, performance requirements, and test methods.

Connectors according to this document are connectors with breaking capacity (C_{bc}) according to IEC 61984 which are mainly used in DC power conduction, 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 60050-581:2008, *International Electrotechnical Vocabulary (IEV) – Part 581: Electromechanical components for electronic equipment*

IEC 60068-1:2013, *Environmental testing – Part 1: General and guidance*

IEC 60127-1:2006, *Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links*

IEC 60228:2004, *Connectors of insulated cables*

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

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

IEC 60352-4, *Solderless connections – Part 4: Non-accessible insulation displacement (ID) 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*