IEC 61076-2-101

Edition 3.0 2012-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Connectors for electronic equipment – Product requirements – Part 2-101: Circular connectors – Detail specification for M12 connectors with screw-locking

Connecteurs pour équipements électroniques – Exigences de produit – Partie 2-101: Connecteurs circulaires – Spécification particulière pour les connecteurs M12 à vis

IEC 61076-2-101:2012

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FOREWORD

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International Standard IEC 61076-2-101 has been prepared by sub-committee 48B: Connectors, of Technical Committee 48: Electromechanical components and mechanical structures for electronic equipment.

This third edition cancels and replaces the second edition published in 2008 and its corrigendum published in 2010. It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- The drawings of some styles have been corrected.
- A new style with maximum 17 poles, with A-coding, has been added, as new applications for the industrial process measurement and control require a high number of poles in M12 circular connectors. The existing styles and dimensions which were

specified in IEC 61076-2-101 Ed. 2 are further applicable for the added interface dimension of the 17 poles versions.

– Removal of the type designation and ordering information, former Tables 6 and 7 have been updated accordingly.

– Inclusion of the technical content of IEC PAS 61076-2-108, which will be withdrawn after publication of this International Standard. The drawings have been updated and correction to the title of Figure 9 was made.

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

FDIS	Report on voting
48B/2279/FDIS	48B/2288/RVD

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

A list of all parts of IEC 61076 series, under the general title *Connectors for electronic equipment – Product requirements*, can be found on the IEC website.

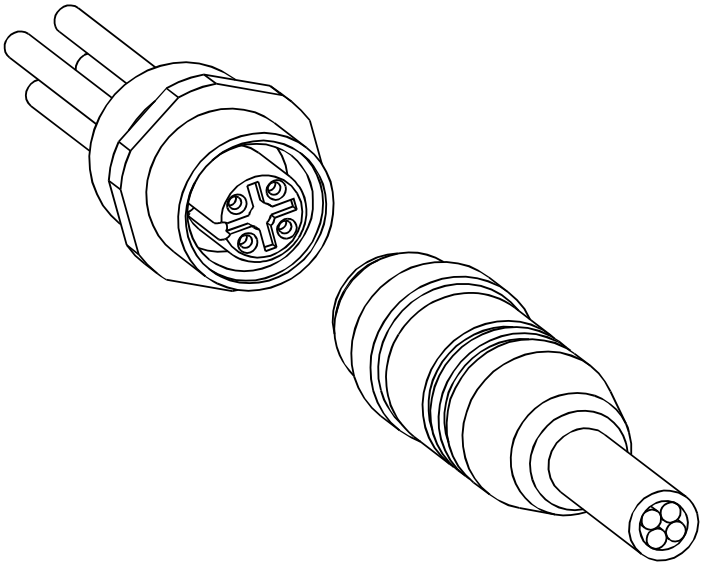
This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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

<table>
<tr><td>IEC SC 48B – Connectors

Specification available from:
IEC General secretariat
or from the addresses shown on the inside cover.</td><td>IEC 61076-2-101 Ed. 3.0</td></tr>
<tr><td>ELECTRONIC COMPONENTS

DETAIL SPECIFICATION in accordance with IEC 61076-1</td><td></td></tr>
<tr><td rowspan="3"> 
IEC 2336/03</td><td>Circular connectors
M12 2 to 17 way
Male and female contacts
Male and female connectors
Rewireable – Non-rewireable</td></tr>
<tr><td>Free cable connectors
Straight and right angle connectors
Fixed connectors
Fixed connectors with glass to metal seals (pin contacts only)

Flange mounting
Single hole mounting

Pin sockets</td></tr>
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