IEC 61076-2-101

Edition 4.0 2024-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

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

IEC 61076-2-101:2024-11(en-fr)

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CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 2-101: Circular connectors – Detail specification for M12 connectors with screw-locking

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IEC 61076-2-101 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2012. This edition constitutes a technical revision.

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

a) Technical specifications regarding dimensional information (Clause 5) and characteristics (Clause 6) have been updated, and new subclauses have been added.
b) New style NF (free connectors) has been added.

c) Fixed connectors with glass to metal seals (former styles WM, XM, YM, ZM and WF, XF, TF and ZF) are no longer covered by this document: relevant definitions and requirements have been removed.

d) The P-coding has been eliminated.

e) Annex B (informative) Steel conduit thread, sizes has been deleted and a new Annex B (informative) Orientation of cable outlet in relation to coding has been added.

f) The dimension specification of former styles AM and BM have been moved into a new Annex C (normative).

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

Draft	Report on voting
48B/3111/FDIS	48B/3129/RVD

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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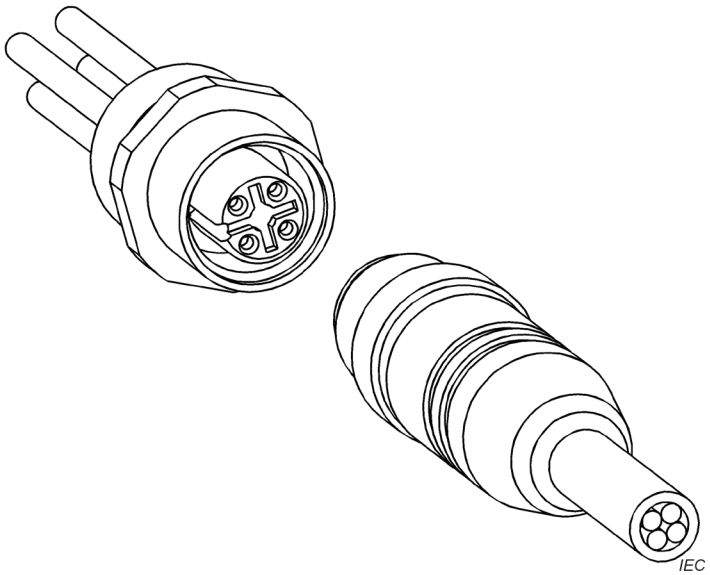
The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

<table>
<tr><td>IEC SC 48B – Electrical connectors

Specification available from:
IEC General secretariat or from the addresses shown on the inside cover.</td><td>IEC 61076-2-101 Ed 4</td></tr>
<tr><td colspan="2">DETAIL SPECIFICATION in accordance with IEC 61076-1</td></tr>
<tr><td rowspan="2">Outline drawing
 
</td><td>Product description

Circular connectors M12

2- to 17-way
Male and female contacts
Male and female connectors
Rewirable – Non-rewirable</td></tr>
<tr><td>Free cable connectors

Straight and right angle connectors

Fixed connectors

Flange mounting
Single hole mounting

Connector insert</td></tr>
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