

# 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**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**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.

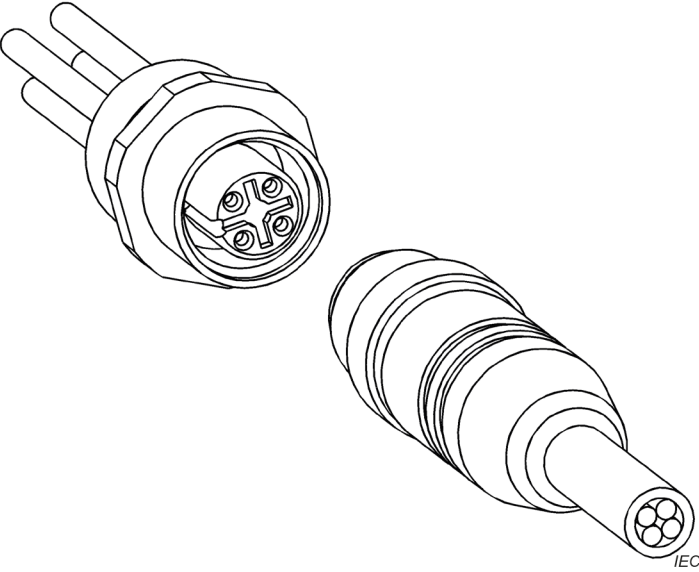
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- withdrawn, or
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DETAIL SPECIFICATION in accordance with IEC 61076-1	
<p style="text-align: center;">Outline drawing</p> 	<p style="text-align: center;">Product description</p> <p>Circular connectors M12</p> <p>2- to 17-way Male and female contacts Male and female connectors Rewirable – Non-rewirable</p> <hr/> <p>Free cable connectors</p> <p>Straight and right angle connectors</p> <p>Fixed connectors</p> <p>Flange mounting Single hole mounting</p> <p>Connector insert</p>