

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**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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CONTENTS

FOREWORD.....	5
1 Scope.....	8
2 Normative references	8
3 Technical information	9
3.1 Terms and definitions	9
3.2 Recommended method of termination	9
3.2.1 General	9
3.2.2 Number of contacts or contact cavities	10
3.3 Ratings and characteristics	10
3.4 Marking	10
3.5 Safety aspects.....	10
4 Dimensional information	11
4.1 General.....	11
4.2 Survey of styles and variants.....	11
4.2.1 Fixed connectors	11
4.2.2 Free connectors	22
4.3 Interface dimensions	27
4.3.1 Pin front view A-coding.....	27
4.3.2 Pin front view B-coding.....	32
4.3.3 Pin front view C-coding.....	33
4.3.4 Pin front view D-coding.....	36
4.3.5 Pin front view P-coding.....	37
4.4 Engagement (mating) information.....	38
4.5 Gauges	40
5 Characteristics	41
5.1 Climatic category.....	41
5.2 Electrical characteristics.....	41
5.2.1 Rated voltage – Rated impulse voltage – Pollution degree.....	41
5.2.2 Voltage proof.....	42
5.2.3 Current-carrying capacity.....	43
5.2.4 Contact resistance.....	43
5.2.5 Insulation resistance.....	44
5.3 Mechanical characteristics	44
5.3.1 IP degree of protection	44
5.3.2 Mechanical operation	44
5.3.3 Insertion and withdrawal forces	44
5.3.4 Contact retention in insert.....	44
5.3.5 Polarizing method.....	45
5.3.6 Vibration (sinusoidal).....	45
5.3.7 Pressure differential	45
6 Test schedule.....	45
6.1 General.....	45
6.2 Arrangement for contact resistance measurements	46
6.3 Arrangement for dynamic stress tests (vibration).....	46
6.4 Test schedule.....	48

6.4.1	Test group P – Preliminary	48
6.4.2	Test group AP – Dynamic/ Climatic.....	49
6.4.3	Test group BP – Mechanical endurance.....	52
6.4.4	Test group CP – Electrical load	54
6.4.5	Test group DP – Chemical resistivity	55
6.4.6	Test group EP – Connection method tests	55
6.4.7	Test group FP – Electrical transmission requirements	56
Annex A (informative)	Diameter of the female connector body	57
Annex B (informative)	Steel conduit thread, sizes	58
Figure 1	– Tube insert, male contacts, mounting without thread (thread on tube)	12
Figure 2	– Tube insert, male contacts, mounting with thread M12 × 1	12
Figure 3	– Fixed connector, male contacts, mounting with thread M12 × 1, square flange front mounting	13
Figure 4	– Fixed connector, male contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M16 × 1,5	14
Figure 5	– Fixed connector, male contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M20 × 1,5	14
Figure 6	– Fixed connector, male contacts, mounting with thread M12 × 1 with wire ends, single hole mounting thread M16 × 1,5, mounting orientation.....	15
Figure 7	– Fixed connector, male contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M20 × 1,5, mounting orientation.....	15
Figure 8	– Fixed connector, glass to metal seal, square flange front mounting, male contacts	16
Figure 9	– Fixed connector, glass to metal seal, single hole front mounting, male contacts	17
Figure 10	– Fixed connector, glass to metal seal, jam nut rear mounting, male contacts	18
Figure 11	– Fixed connector, glass to metal seal, through flange mounting, male contacts	19
Figure 12	– Fixed connector, female contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M16 × 1,5	19
Figure 13	– Fixed connector, female contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M20 × 1,5	20
Figure 14	– Fixed connector, female contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M16 × 1,5, mounting orientation.....	21
Figure 15	– Fixed connector, female contacts, mounting with thread M12 × 1, with wire ends, single hole mounting thread M20 × 1,5, mounting orientation.....	21
Figure 16	– Rewireable connector, male contacts, straight version, with locking nut	22
Figure 17	– Rewireable connector, male contacts, right angled version, with locking nut.....	23
Figure 18	– Non-rewireable connector, male contacts, straight version, with locking nut	23
Figure 19	– Non-rewireable connector, male contacts, right angled version, with locking nut	24
Figure 20	– Non-rewireable connector, male contacts, right angled higher version, with locking nut.....	24
Figure 21	– Rewireable connector, female contacts, straight version, with locking nut	25
Figure 22	– Rewireable connector, female contacts, right angled version, with locking nut....	25
Figure 23	– Non-rewireable connector, female contacts, straight version, with locking nut	26

Figure 24 – Non-rewireable connector, female contacts, right angled version, with locking nut	26
Figure 25 – Pin front view A-coding, up to 12 ways	27
Figure 26 – Pin front view A-coding, 13 up to 17 ways	28
Figure 27 – Contact position A-coding front view	30
Figure 28 – Pin front view B-coding	32
Figure 29 – Contact position B-coding front view	32
Figure 30 – Pin front view 3 way with C-coding	33
Figure 31 – Pin front view 4 way with C-coding	33
Figure 32 – Pin front view 5 way with C-coding	34
Figure 33 – Pin front view 6 way with C-coding	34
Figure 34 – Contact position C-coding front view	35
Figure 35 – Pin front view D-coding	36
Figure 36 – Contact position D-coding front view	36
Figure 37 – Pin front view P-coding	37
Figure 38 – Contact position P-coding front view	37
Figure 39 – Engagement (mating) information.....	38
Figure 40 – Gauge dimensions	41
Figure 41 – Contact resistance arrangement.....	46
Figure 42 – Dynamic stress test arrangement	47
Figure A.1 – Diameter of the female connector body.....	57
Figure B.1 – Dimensions Pg thread.....	58
Table 1 – Ratings of connectors.....	10
Table 2 – Styles of fixed connectors	11
Table 3 – Styles of free connectors.....	22
Table 4 – Connectors dimensions in mated and locked position	39
Table 5 – Gauges	41
Table 6 – Climatic category	41
Table 7 – Rated voltage – Rated impulse voltage – Pollution degree	42
Table 8 – Voltage proof.....	43
Table 9 – Number of mechanical operations	44
Table 10 – Insertion and withdrawal forces	44
Table 11 – Number of test specimens	46
Table 12 – Test group P	48
Table 13 – Test group AP	49
Table 14 – Test group BP	52
Table 15 – Test group CP	54
Table 16 – Test group DP	55
Table 17 – Test group EP	55
Table 18 – Test group FP	56
Table A.1 – Diameter of the female connector body, dimension x	57
Table B.1 – Dimensions	59

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT –
PRODUCT REQUIREMENTS –****Part 2-101: Circular connectors –
Detail specification for M12 connectors with screw-locking**

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

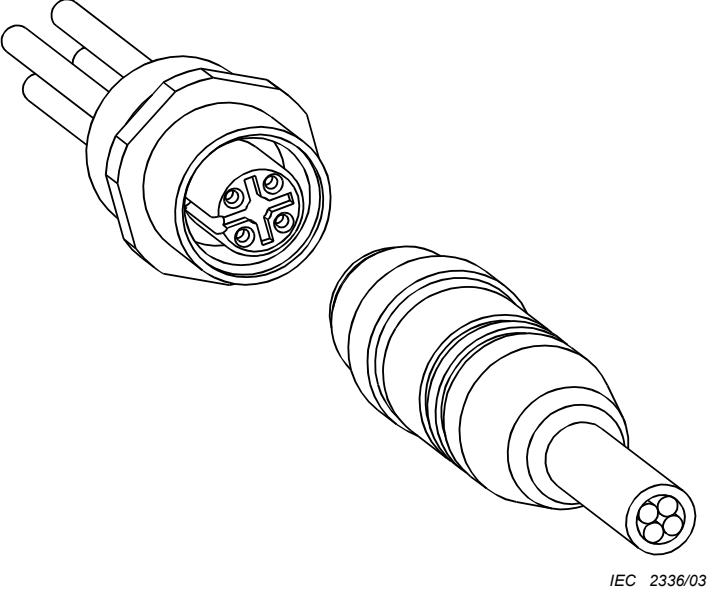
Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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.

<p>IEC SC 48B – Connectors</p> <p>Specification available from: IEC General secretariat or from the addresses shown on the inside cover.</p>	IEC 61076-2-101 Ed. 3.0
<p>ELECTRONIC COMPONENTS</p> <p>DETAIL SPECIFICATION in accordance with IEC 61076-1</p>	
 <p style="text-align: right; font-size: small;">IEC 2336/03</p>	<p>Circular connectors M12 2 to 17 way Male and female contacts Male and female connectors Rewireable – Non-rewireable</p>
	<p>Free cable connectors Straight and right angle connectors Fixed connectors Fixed connectors with glass to metal seals (pin contacts only)</p> <p>Flange mounting Single hole mounting</p>
	<p>Pin sockets</p>