



# PUBLICLY AVAILABLE SPECIFICATION

## PRE-STANDARD



**Connectors for electronic equipment – Product requirements –  
Part 3-124: Detail specification for 10 way, shielded, free and fixed connectors  
for I/O and Gigabit transmission capability for industrial applications**

INTERNATIONAL  
ELECTROTECHNICAL  
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## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Technical information .....	7
4.1 Systems of levels – Compatibility levels, according to IEC 61076-1 .....	7
4.2 Classification into climatic categories.....	7
4.3 Current-carrying capacity.....	7
4.4 Marking.....	7
5 Common features and typical connector pair .....	8
5.1 View showing typical fixed and free connectors.....	8
5.2 Mating information .....	8
5.2.1 General .....	8
5.2.2 Contacts – mating conditions (see Figure 2 and Table 2).....	8
5.2.3 Fixed connector (see Figures 3 and 4 and Tables 3 and 4).....	9
5.2.4 Free connector (see Figures 5 and 6 and Tables 5 and 6).....	13
6 Characteristics .....	16
6.1 General.....	16
6.2 Pin and pair grouping assignment.....	16
6.3 Classification into climatic category .....	18
6.4 Electrical characteristics .....	18
6.4.1 Voltage proof.....	18
6.4.2 Voltage rating.....	18
6.4.3 Current-carrying capacity.....	18
6.4.4 Initial insulation resistance.....	19
6.5 Mechanical characteristics.....	19
6.5.1 Mechanical operation.....	19
6.5.2 Insertion and withdrawal forces .....	19
6.6 Transmission performance.....	20
6.6.1 General.....	20
6.6.2 Insertion loss.....	20
6.6.3 Return loss .....	20
6.6.4 Near end cross talk.....	20
6.6.5 Far end cross talk.....	20
6.6.6 Transverse conversion loss .....	21
6.6.7 Transverse conversion transfer loss .....	21
6.6.8 Transfer impedance.....	21
6.6.9 Propagation delay.....	21
6.6.10 Delay skew .....	21
7 Test schedule .....	21
7.1 General.....	21
7.1.1 Overview .....	21
7.1.2 Arrangement for contact resistance measurement .....	22
7.1.3 Arrangement for dynamic stress tests .....	22
7.2 Test schedules.....	23
7.2.1 Basic (minimum) test schedule .....	23

7.2.2	Full test schedule .....	23
7.3	Test procedures and measuring methods .....	30
7.4	Mounting of specimens .....	30
Figure 1	– View showing typical fixed and free connectors .....	8
Figure 2	– Contact interface dimensions with terminated free connector .....	8
Figure 3	– Fixed connector Type A (Projection method 3) .....	9
Figure 4	– Fixed connector Type B (Projection method 3) .....	11
Figure 5	– Free connector Type A (Projection method 3) .....	13
Figure 6	– Free connector Type B (Projection method 3) .....	15
Figure 7	– Connector pin assignment for Type A, front view of connector .....	17
Figure 8	– Connector pin assignment for Type B, front view of connector .....	17
Figure 9	– Current de-rating diagram .....	19
Figure 10	– Contact resistance arrangement .....	22
Figure 11	– Arrangement for vibration test .....	23
Table 1	– Climatic category .....	7
Table 2	– Dimensions for Figure 2 .....	9
Table 3	– Dimensions for Figure 3 .....	10
Table 4	– Dimensions for Figure 4 .....	12
Table 5	– Dimensions for Figure 5 .....	14
Table 6	– Dimensions for Figure 6 .....	16
Table 7	– Climatic category .....	18
Table 8	– Test group F .....	24
Table 9	– Test group AP .....	25
Table 10	– Test group BP .....	26
Table 11	– Test group CP .....	27
Table 12	– Test group DP .....	28
Table 13	– Test group EP .....	29
Table 14	– Test group FP .....	30

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

#### Part 3-124: Detail specification for 10 way, shielded, free and fixed connectors for I/O and Gigabit transmission capability for industrial applications

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IEC PAS 61076-3-124 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

The text of this PAS is based on the following document:

This PAS was approved for publication by the P-members of the committee concerned as indicated in the following document

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Following publication of this PAS, which is a pre-standard publication, the technical committee or subcommittee concerned may transform it into an International Standard.

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.

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## CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

### Part 3-124: Detail specification for 10 way, shielded, free and fixed connectors for I/O and Gigabit transmission capability for industrial applications

#### 1 Scope

This part of IEC 61076 covers 10-way shielded free and fixed connectors and specifies the common dimensions, mechanical, electrical and transmission characteristics and environmental requirements as well as test specifications respectively.

#### 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, *International Electrotechnical Vocabulary – Part 581: Electromechanical components for electronic equipment*

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

IEC 60068-2-38, *Environmental testing – Part 2-38: Tests – Test Z/AD: Composite temperature/humidity cyclic test*

IEC 60512 (all parts), *Connectors for electronic equipment – Tests and measurements*

IEC 60512-1, *Connectors for electronic equipment – Tests and measurements – Part 1: General*

IEC 61076-1:2006, *Connectors for electronic equipment – Product requirements – Part 1: Generic specification*

IEC 61076-3:2008, *Connectors for electronic equipment – Product requirements – Part 3: Rectangular connectors – Sectional specification*