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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 8092-1

August 1998

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Supersedes EN 28092-1:1991

Descriptors: see ISO document

English version

Road vehicles - Connections for on-board electrical wiring  
harnesses - Part 1: Tabs for single-pole connections -  
Dimensions and specific requirements (ISO 8092-1:1996)

Véhicules routiers - Connexions pour faisceaux de câblage  
électrique embarqués - Partie 1: Languettes pour  
raccordements unipolaires - Dimensions et exigences  
particulières (ISO 8092-1:1996)

Straßenfahrzeuge - Steckverbindungen für das elektrische  
Fahrzeug-Bordnetz - Teil 1: Flachstecker für einpolige  
Steckverbindungen - Maße und besondere Anforderungen  
(ISO 8092-1:1996)

This European Standard was approved by CEN on 26 July 1998.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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## Foreword

The text of the International Standard from Technical Committee ISO/TC 22 "Road vehicles" of the International Organization for Standardization (ISO) has been taken over as an European Standard by CEN/CS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 1999, and conflicting national standards shall be withdrawn at the latest by February 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European Standard supersedes EN 28092-1:1991.

### Endorsement notice

The text of the International Standard ISO 8092-1:1996 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 8092-2	1996	Road vehicles - Flat, quick-connect terminations - Part 2: Test and performance requirements for single pole connections	EN ISO 8092-2	1998

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INTERNATIONAL  
STANDARD

**ISO**  
**8092-1**

Second edition  
1996-02-01

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**Road vehicles — Connections for on-board  
electrical wiring harnesses —**

**Part 1:**

Tabs for single-pole connections —  
Dimensions and specific requirements

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SIST EN ISO 8092-1:2000  
*Véhicules routiers — Connexions pour faisceaux de câblage électrique  
embarqués —*  
<https://standards.iteh.ai/catalog/standards/sist/da207919-cd93-4fdb-a4d4-63457b6aca1e/sist-en-iso-8092-1-2000>  
*Partie 1: Languettes pour raccordements unipolaires — Dimensions et  
exigences particulières*



Reference number  
ISO 8092-1:1996(E)

## ISO 8092-1:1996(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8092-1 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

This second edition cancels and replaces the first edition (ISO 8092-1:1989), of which it constitutes a technical revision.

ISO 8092 consists of the following parts, under the general title *Road vehicles — Connections for on-board electrical wiring harnesses*:

- *Part 1: Tabs for single-pole connections — Dimensions and specific requirements*
- *Part 2: Definitions, test methods and general performance requirements*
- *Part 3: Tabs for multi-pole connections — Dimensions and specific requirements*
- *Part 4: Pins for single- and multi-pole connections — Dimensions and specific requirements*

Annex A of this part of ISO 8092 is for information only.

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# Road vehicles — Connections for on-board electrical wiring harnesses —

## Part 1:

### Tabs for single-pole connections — Dimensions and specific requirements

#### 1 Scope

This part of ISO 8092 specifies dimensions for the tabs of single-pole connections and specific requirements, for on-board electrical wiring harnesses of road vehicles, which can be fitted into female contacts such as those given in annex A. It applies to connectors designed to be disconnected after mounting in the vehicle for the purposes of repair and/or maintenance only.

#### 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 8092. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 8092 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 8092-2:1996, *Road vehicles — Connections for on-board electrical wiring harnesses — Part 2: Definitions, test methods and general performance requirements.*

#### 3 Definitions

For the purposes of this part of ISO 8092, the definitions given in ISO 8092-2 apply.

#### 4 Dimensions

Tabs for single-pole connections shall conform to the dimensions given in table 1 and figure 1.

Details not specified are left to the manufacturer's choice.

#### 5 Specific performance requirements

Single-pole connections shall be in conformity with the general performance requirements of ISO 8092-2, and shall meet the following specific requirements.

##### 5.1 Design requirements

A tab without detent requires external means of retention to the mating part. If tabs are stamped or stamped and formed, the usable contact area shall be specified and care shall be taken to assure that gaps, seams and rounded edges do not affect the contact performance.

##### 5.2 Connection forces and disconnection forces

Connectors for single-pole connections, tested in accordance with ISO 8092-2:1995, subclause 4.3 shall meet the requirements in table 2.