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SIST EN 24165:2000

<https://standards.iteh.ai/catalog/standards/sist/6c90d157-ee35-40cf-9db4-366be67c67e0/sist-en-24165-2000>

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UDC 621.316.541:629.11.066

Descriptors : Road vehicles, electric connexion, electric outlets, dimensions

English version

Road vehicles - Electrical connections - Double  
pole connector (ISO 4165:1979)

Véhicules routiers - Connexions  
électriques - Prise bipolaire (ISO  
4165:1979)

Straßenfahrzeuge - Elektrische  
Verbindungen - Zweipolige  
Steckvorrichtung (ISO 4165:1979)

This European Standard was approved by CEN on 1991-11-08 and is identical to the ISO standard as referred to.

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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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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Ref. No. EN 24165:1991 E

Foreword

In 1990, ISO 4165:1979 was submitted to the CEN Primary Questionnaire procedure.

Following the positive result of this procedure, CEN Technical Bureau agreed to submit ISO 4165:1979, without modifications, to Formal Vote.

In accordance with the CEN/CENELEC Common Rules, the following countries are bound to implement this European Standard : Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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Endorsement notice  
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The text of the International Standard ISO 4165:1979 was approved by CEN as a European Standard without any modification.

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# International Standard



# 4165

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Road vehicles — Electrical connections — Double-pole connector

*Véhicules routiers — Connexions électriques — Prise bipolaire*

First edition — 1979-07-15

<https://standards.iteh.ai/catalog/standards/sist/6c90d157-ec35-40cf-9db4-366b67c67e0/sist-en-24165-2000>

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UDC 629.113.066 : 621.315.683

Ref. No. ISO 4165-1979 (E)

**Descriptors** : road vehicles, electric connections, electric outlets, socket connectors, plug connectors, dimensions.

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SIST EN 24165:2000

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4165 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in April 1978.

It has been approved by the member bodies of the following countries :

Australia	Italy	South Africa, Rep. of
Austria	Japan	Spain
Belgium	Korea, Dem. P. Rep. of	Sweden
Bulgaria	Korea, Rep. of	Switzerland
Chile	Mexico	Turkey
Czechoslovakia	Netherlands	United Kingdom
France	New Zealand	USSR
Germany, F. R.	Poland	
Iran	Romania	

No member body expressed disapproval of the document.

# Road vehicles — Electrical connections — Double-pole connector

## 1 Scope and field of application

This International Standard specifies characteristics of the double-pole connector for special warning lights and for hand lamps.

## 2 Specifications

2.1 The plug and the socket shall have the dimensions shown in figures 1 and 2 respectively. Details not specified are left to the manufacturer's choice.

2.2 The resilient pin of the plug shall be capable of being introduced into the hole with diameter 12 H11 mm of the socket with a moderate push, while ensuring a good electrical contact.

2.3 The internal dimensions of the contact springs of the socket shall be such that the pin with diameter 5 h11 mm can be introduced with a moderate push, while ensuring a good electrical contact.

2.4 If there is no undercut below the length of 11 mm min., this dimension shall be 12,5 mm min.

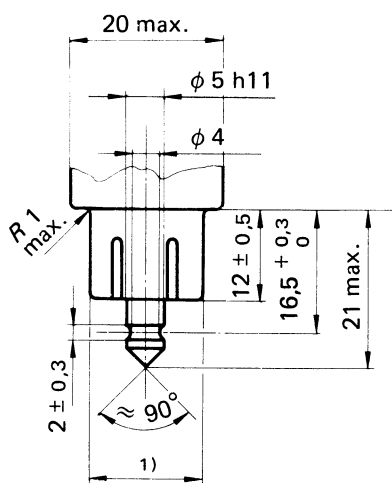
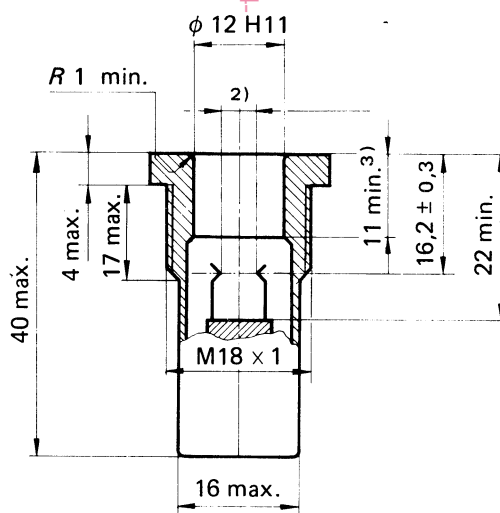


Figure 1 — Plug



2) See 2.3.  
3) See 2.4.

Figure 2 — Socket

Dimensions in millimetres