INTERNATIONAL STANDARD

ISO 4024

Second edition
1992-11-01

Road vehicles — Ignition coils — Low-tension cable connections

Véhicules routiers — Bobines d'allumage — Connexions des câbles à basse tension

Reference number
ISO 4024:1992(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 4024 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Sub-Committee SC 1, *Ignition equipment*.

This second edition cancels and replaces the first edition (ISO 4024:1977), which has been extended to include M6 connections.

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Road vehicles — Ignition coils — Low-tension cable connections

1 Scope

This International Standard specifies the dimensions of low-tension cable connections for ignition coils used in ignition systems for spark-ignited internal combustion engines of road vehicles.

2 Normative references

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

ISO 8092-1:1989, *Road vehicles — Flat, quick-connect terminations — Part 1: Tabs for single pole connections.*

ISO 8092-2:1988, *Road vehicles — Flat, quick-connect terminations — Part 2: Test and performance requirements for single pole connections.*

ISO 10455:—[1], *Road vehicles — Dry ignition coils using rotating high-voltage distributor.*

3 Specifications

See figure 1.

The positive and negative polarity shall be permanently marked with the symbols + and — respectively. This marking shall be at least in 2 mm characters.

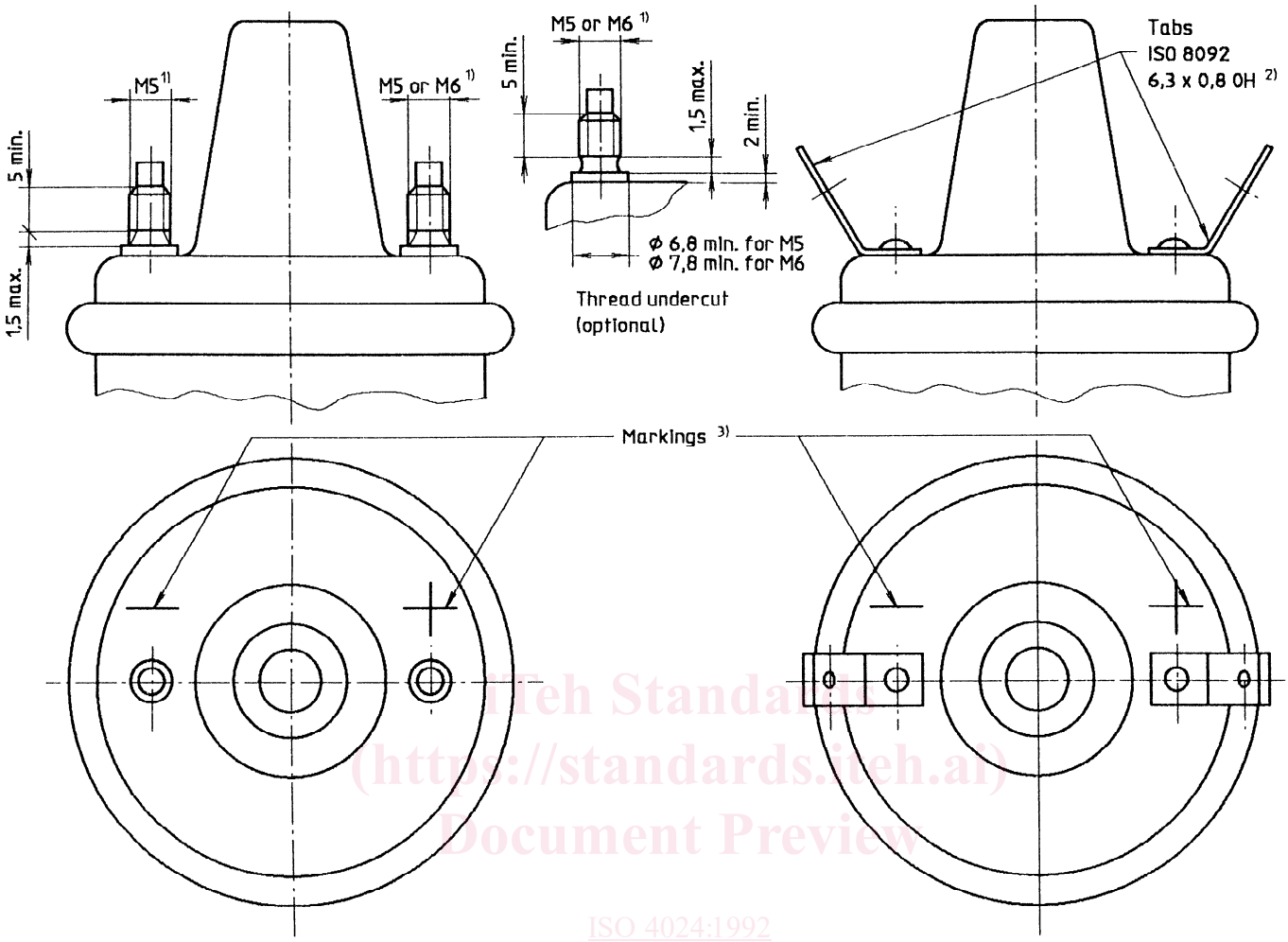
The number of permanent connections shall be a maximum of two for each polarity.

The positioning of the terminals is left to the decision of the manufacturer.

The 6,3 mm × 0,8 mm tabs with hole [see figure 1b)] shall comply with ISO 8092-1 and the flat quick-connect termination shall comply with the test methods and performance requirements specified in ISO 8092-2.

1) To be published.

Dimensions in millimetres



1) Thread size of M5 shall be used for negative polarity. Thread size M6 is preferred for the positive polarity. For dry ignition coils (see ISO 10455), thread size M6 shall be used for the positive polarity.
2) Multiple-blade connectors are allowed (see clause 3).
3) Additional markings are allowed.

Figure 1 — Ignition coils