
International Standard



461/2

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Aircraft — Connectors for ground electrical supplies — Part 2: Dimensions

Aéronefs — Prises de courant d'alimentation au sol — Partie 2: Dimensions

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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.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 461/2 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*.

Together with ISO 461/1, it cancels and replaces ISO Recommendation R 461-1965, of which it constitutes a technical revision.

Aircraft — Connectors for ground electrical supplies — Part 2: Dimensions

1 Scope and field of application

This part of ISO 461 specifies the dimensions for the following connectors used to supply electrical power from a ground source to an aircraft:

- Style 1A — 28 V d.c., aircraft fixed connector
- Style 1B — 28 V d.c., ground supply free connector
- Style 2A — 112 V d.c., aircraft fixed connector
- Style 2B — 112 V d.c., ground supply free connector
- Style 3A — 200 V a.c., 400 Hz, 3-phase aircraft fixed connector
- Style 3B — 200 V a.c., 400 Hz, 3-phase ground supply free connector

NOTE — ISO 461/1 specifies the design, performance and test requirements for the connectors.

2 Reference

ISO 461/1, *Aircraft — Connectors for ground electrical supplies — Part 1: Design, performance and test requirements.*

3 Definitions

For the purposes of this part of ISO 461, the definitions given in ISO 461/1 apply.

4 Dimensions

The aircraft fixed connector and ground supply free connector shall comply with the dimensions and tolerances shown in figures 1 to 6, as appropriate.