

INTERNATIONAL
STANDARD

ISO
4400

Third edition
1994-09-01

**Fluid power systems and components —
Three-pin electrical plug connectors with
earth contact — Characteristics and
requirements**

*Transmissions hydrauliques et pneumatiques — Connecteurs électriques
à trois broches avec contact de sécurité — Caractéristiques et exigences*



Reference number
ISO 4400:1994(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 4400 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 5, *Control products and components*.

This third edition cancels and replaces the second edition (ISO 4400:1985), of which it constitutes a technical revision. In particular, subclause 8.3 and clause 10 have been added, and the range of the temperatures of use has been modified.

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Introduction

In fluid power systems, power is transmitted and controlled through a fluid under pressure within an enclosed circuit. Typical components found in such systems are hydraulic and pneumatic controls. These devices are used to regulate the function of a component or system.

Some control components found in fluid power systems are electrically actuated. The electrical plug connector described in this International Standard is used with control and regulation assemblies for use in hydraulic and pneumatic fluid power systems.