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Connectors for fluid power and general use — Designation and nomenclature

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National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 131, *Fluid power systems,* Subcommittee SC 4, *Connectors and similar products and components*.

Introduction

In fluid power systems, power is transmitted and controlled through a fluid (liquid or gas) under pressure within an enclosed circuit. In general applications, a fluid can be conveyed under pressure.

Components can be connected through their ports by connections (connectors) and conductors (tubes and hoses). Tubes are rigid conductors; hoses are flexible conductors.

Annexes A and B are normative; Annex C is informative.

Connectors for fluid power and general use — Designation and nomenclature

1 Scope

This document collects the various designation and nomenclature schemes specified in International Standards for connectors and similar products standardized by ISO/TC 131/SC 4. It establishes a uniform nomenclature structure to facilitate standardization of product names used for threaded connectors, push-in connectors, flanges, hose fittings, port plugs and quick-action couplings.

The designation and nomenclature established in this document are applicable for procurement purposes when agreed to by user and supplier.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

4 Designation and format

4.1 General

Designations use the format shown in Figure 1 when specifying a part for procurement to International Standards for connectors developed by ISO/TC 131/SC 4. Tube ends are assumed, so there is no type symbol for unions. When multiple end types are required to describe a threaded connector type, use the stud end first, when applicable (e.g. SDSWS). If there is no stud end, the description of the part shall dictate the designation order (e.g. WDRDNP for a weld-on reducing nipple).