INTERNATIONAL STANDARD

ISO 5599-3

First edition
1990-01-15

Pneumatic fluid power — Five-port directional control valves —

Part 3:
Code system for communication of valve functions

Transmissions pneumatiques — Distributeurs à cinq orifices principaux —
Partie 3: Codification de l'information sur les fonctions des distributeurs

Reference number
ISO 5599-3 : 1990 (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 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 5599-3 was prepared by Technical Committee ISO/TC 131, *Fluid power systems.*

ISO 5599 consists of the following parts, under the general title *Pneumatic fluid power — Five-port directional control valves*:

— *Part 1: Mounting interface surfaces without electrical connector*

— *Part 2: Mounting interface surfaces with optional electrical connector*

— *Part 3: Code system for communication of valve functions*

Annex A of this part of ISO 5599 is for information only.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Introduction

In pneumatic fluid power systems, power is transmitted and controlled through gas under pressure within an enclosed circuit.

The various devices for gas distribution and control can be either mounted directly onto the pipeline, or mounted on interface surfaces, allowing quicker dismantling and promoting equipment interchangeability.

Pneumatic directional control valves of the five-port, four-way type as used on mounting interface surfaces complying with the requirements of this International Standard control the flow of compressed gas.

When valve operators and interface sizes are published in the literature, it is convenient to refer to them by codes. This simplifies the descriptions and provides uniformity of valve function definitions.