INTERNATIONAL STANDARD

ISO 15218

First edition
2003-02-15

Pneumatic fluid power — 3/2 solenoid valves — Mounting interface surfaces

Transmissions pneumatiques — Électrodistributeurs 3/2 — Plan de pose

Reference number
ISO 15218:2003(E)

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Published in Switzerland

Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 15218 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 5, *Control products and components*.

Pneumatic fluid power — 3/2 solenoid valves — Mounting interface surfaces

1 Scope

This International Standard specifies the dimensions of 3/2 solenoid valves for four sizes of mounting interface surfaces, with three holes for flow passages, two holes for fixing screws and requirements for a sealing surface, for use at a maximum rated pressure of 1,6 MPa (16 bar[1]).

2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 1302, *Geometrical Product Specifications (GPS) — Indication of surface texture in technical product documentation*

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 4287, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters*

ISO 5598, *Fluid power systems and components — Vocabulary*

ISO 11727, *Pneumatic fluid power — Identification of ports and control mechanisms of control valves and other components*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5598 apply.

4 Port identification

Identify the port in accordance with ISO 11727. Marking at the interface is not required.

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[1] 1 bar = 10^5 Pa = 100 kPa = 0,1 MPa; 1 Pa = 1 N/m^2