
**Pneumatic fluid power systems —
Directional control valves —
Specification of pin assignment for 8
mm and 12 mm diameter electrical
round connectors**

*Transmissions pneumatiques — Distributeurs de commande
directionnels — Spécification de l'affectation des broches des
connecteurs électriques ronds de diamètres 8 mm et 12 mm*

Sample Document

get full document from standards.iteh.ai



Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Integral connectors for plug-in proximity switches	2
5 Graphical symbols	2
6 Electrical contacts (pin allocation)	2
6.1 Identification	2
6.2 Pin allocation for valves with a single solenoid.....	3
6.3 Pin allocation for valves with double solenoids and one connector.....	3
6.4 Pin allocation for valves with double solenoids and two connectors.....	3
Bibliography	5

Sample Document

get full document from standards.iteh.ai

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 voluntary nature of standards, 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.

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

This second edition cancels and replaces the first edition (ISO 20401:2005), which has been technically revised. It also incorporates the Technical Corrigendum ISO 20401:2005/Cor1:2005.

Introduction

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

Some control components found in pneumatic fluid power systems are electrically actuated. For small control components with electrical control mechanisms, plug connectors of round type with diameters of 8 mm and 12 mm are used. For a unified actuation of the control component in relationship to the electrical power, a standardized pin assignment is required.

Sample Document

get full document from standards.iteh.ai