

Specification for

Three-pin plug connectors for electrically controlled fluid power equipment

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Machinery and Components Standards Committee (MCE/-) to Technical Committee MCE/18, upon which the following bodies were represented:

- Advanced Manufacturing Technology Research Institute
- Association of British Mining Equipment Companies
- Association of Hydraulic Equipment Manufacturers
- British Compressed Air Society
- British Fluid Power Association
- British Hydromechanics Research Association
- British Steel Industry
- British Telecommunications plc
- Department of Trade and Industry (National Engineering Laboratory)
- Electricity Supply Industry in England and Wales
- Engineering Equipment Users' Association
- Federation of Manufacturers of Construction Equipment and Cranes
- Institution of Mechanical Engineers
- Ministry of Defence

This British Standard, having been prepared under the direction of the Machinery and Components Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 August 1988

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Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
0 Introduction	1
1 Scope and field of application	1
2 References	1
3 Definitions	1
4 Connector components	1
5 Connector characteristics	2
6 Position of pins and earth contact	2
7 Fixing the socket onto the plug	2
8 Socket/plug tightness	2
9 Mechanical protection	2
10 Identification statement	2
Appendix A Recommendations for the prevention of accidental interchange of directional and proportional solenoid valves used in hydraulic systems	5
Figure 1 — Connector components	1
Figure 2 — Variation of current with temperature	2
Figure 3 — Connector details	3
Figure 4 — Overall dimensions	4
Figure 5 — Recommended wiring configurations	5
Publications referred to	Inside back cover

Foreword

This British Standard, which has been prepared under the direction of the Machinery and Components Standards Committee, is technically equivalent to ISO 4400:1985 “*Fluid power systems and components — Three-pin electrical plug connector — Characteristics and requirements*”, published by the International Organization for Standardization (ISO). This standard supersedes BS 6361:1983 which is withdrawn.

The principal change in this revision is the inclusion of Appendix A to make recommendations for the safe use of connectors on certain types of solenoid operated valves used in hydraulic systems.

The text of ISO 4400:1985 has been used for ease of production, although some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Cross-references

International Standard	Corresponding British Standard
IEC 144:1963	BS 5420:1977 <i>Specification for degrees of protection of enclosures of switchgear and controlgear for voltages up to and including 1 000 V a.c. and 1 200 V d.c.</i> (Identical)
IEC 309-1:1979	BS 4343:1968 <i>Specification for industrial plugs, socket-outlets and couplers for a.c. and d.c. supplies</i> (Technically equivalent)
IEC 529:1976	BS 5490:1977 <i>Specification for classification of degrees of protection provided by enclosures</i> (Identical)

The Technical Committee has reviewed the provisions of ISO 5598 and IEC 309-2, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.