
British Standard Specification for

Control and interlock circuits primarily associated with flameproof restrained plugs and sockets for use in coal mines

Spécifications relatives aux circuits de commande et de verrouillage associés principalement à des prises de courant antidéflagrantes à dispositif de retenue pour utilisation dans les mines de charbon

Steuerstromkreise und Verriegelungsstromkreise, die vorwiegend in Zusammenhang schlagewettersicheren Steckverbindungen im Bergbau verwendet werden

Confirmed January 2011

Foreword

This revision of BS 3101 has been prepared under the direction of the Mining and Quarrying Requisites Standards Committee and supersedes BS 3101 : 1959, which is withdrawn. It continues to aid manufacturers in establishing standard characteristics and operating conditions for control circuits for use primarily in coal mines; it does this by specifying requirements for circuits and associated apparatus which are necessary to ensure that the components of the control units away from the supply and control unit (gate-end box) can be used with any such unit that has a circuit complying with this standard. This revision provides for local or remote control and now includes requirements for optional interlock circuits and resistor proving systems which will enhance the operational safety of the control circuit.

This standard refers only to BS 1259, since at the date of publication no comparable British Standard or European standard exists relative to control and interlock circuits.

Attention is drawn to appendix A, which recommends operational requirements for equipment using a control circuit complying with this standard.

Compliance with a British Standard does not of itself confer immunity from legal obligations. Attention is drawn to the Health & Safety at Work etc. Act 1974, the Mines and Quarries Act 1954, the Regulations made under these Acts, and also any other appropriate statutory requirements or bye-laws. These place responsibility for complying with certain specific safety requirements on the manufacturer and the user. The address of the recognized certification authority in the United Kingdom for Group I (coal mining) apparatus is as follows:

Health and Safety Executive
HSE (M) Certification Support Unit
Harpur Hill
Buxton
Derbyshire SK17 9JN