



BS 3939 : Part 2 : 1985
IEC 617-2 : 1983

UDC 003.62: 621.3.061

© British Standards Institution. No part of this publication may be photocopied or otherwise reproduced without the prior permission in writing of BSI

British Standard Guide for
Graphical symbols for electrical power,
telecommunications and electronics diagrams
Part 2. Symbol elements, qualifying symbols and
other symbols having general application

[IEC title: Graphical symbols for diagrams]

Part 2: Symbol elements, qualifying symbols and other symbols having general application]

Symboles graphiques pour schémas d'électrotechnique, de télécommunications et d'électronique

Partie 2. Eléments de symboles, symboles distinctifs et autres symboles d'application générale

Schaltzeichen für Diagramme in der Elektrotechnik, Nachrichtentechnik und Elektronik
Teil 2. Symbolelemente, Kennzeichen und andere Zeichen für allgemeine Anwendung

British Standards Institution

MEM.ir

National foreword

This Part of BS 3939, prepared under the direction of the General Electrotechnical Engineering Standards Committee, recommends symbols, with definitions, for use in electrical power, telecommunications and electronics diagrams; it comprises graphical symbols for general application, symbol elements and qualifying symbols. It is identical with the English text in IEC Publication 617-2: 1983 'Graphical symbols for diagrams', Part 2 'Symbol elements, qualifying symbols and other symbols having general application' published by the International Electrotechnical Commission (IEC), except that the English text has been rearranged typographically as a consequence of deleting the corresponding French text.

Together with Part 1* and Parts 3 to 13, this Part of BS 3939 supersedes the previous edition which is withdrawn in its entirety.

The titles of the other Parts in the BS 3939 series are as follows:

- Part 1 General principles*
- Part 3 Conductors and connecting devices
- Part 4 Passive components
- Part 5 Semiconductors and electron tubes
- Part 6 Production and conversion of electrical energy
- Part 7 Switchgear, controlgear and protective devices
- Part 8 Measuring instruments, lamps and signalling devices
- Part 9 Telecommunications: switching and peripheral equipment
- Part 10 Telecommunications: transmission
- Part 11 Architectural and topographical installation plans and diagrams
- Part 12 Binary logic elements
- Part 13 Analogue elements

Titles to any further Parts will be added in due course.

To take account of the development of computer draughting, the symbols have been designed to a grid. A transparent over-lay with this grid will be included in Part 1.

Terminology and conventions. The text of the international standard has been approved for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards.

Cross-references

International standards	Corresponding British Standards
IEC 445: 1973	BS 5559: 1978 Specification for identification of apparatus terminals and general rules for a uniform system of terminal marking using an alphanumeric notation (Identical)
ISO 128: 1982	BS 308: Engineering drawing practice Part 1: 1984 Recommendations for general principles (Technically equivalent)
IEC 617-6: 1983	BS 3939 Guide for graphical symbols for electrical power, telecommunications and electronics diagrams Part 6: 1985 Production and conversion of electrical energy (Identical)
IEC 617-10: 1983	Part 10: 1985 Telecommunications: transmission (Identical)
IEC 617-12: 1983	Part 12: 1985 Binary logic elements (Identical)
IEC 617-13: 1983	Part 13: 1985 Analogue elements (Identical)

The Technical Committee has reviewed the provisions of IEC 27, IEC 364-3 and IEC 375, to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

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

* In preparation.