

Insulation coordination for equipment within low-voltage systems —

Part 3: Use of coatings to achieve insulation coordination of printed board assemblies

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee GEL/28, Insulation coordination, to Subcommittee GEL/28/1, Insulation coordination for low voltage equipment, upon which the following bodies were represented:

- Association of Control Manufacturers [TACMA (BEAMA Ltd.)]
- Association of Manufacturers of Domestic Electrical Appliances
- Association of Manufacturers Allied to the Electrical and Electronic Industry (BEAMA Ltd.)
- British Electrotechnical Approvals Board
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electrical Installation Equipment Manufacturers' Association
- Electricity Association
- GAMBICA (BEAMA Ltd.)
- Institute of Electrical Engineers
- Transmission and Distribution Association (BEAMA Ltd.)

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National foreword

This British Standard has been prepared by Technical Committee GEL/28/1 and is identical with IEC 664-3:1992 *Insulation coordination for equipment within low-voltage systems — Part 3: Use of coatings to achieve insulation coordination of printed board assemblies*, published by the International Organization for Standardization (IEC).

IEC 664 has the status of a basic safety publication in accordance with IEC Guide 104.

It is envisaged that BS 7822 will consist of the following parts under the general title *Insulation coordination for equipment within low-voltage systems*.

- *Part 1: Principles, requirements and tests*;
- *Part 2: Concise requirements for clearances, creepage distances and solid insulation*;
(Under consideration)
- *Part 3: Use of coatings to achieve insulation coordination of printed board assemblies*;
(This Part)
- *Part 4: Application guide*.
(Under consideration)

Cross-references

Publications referred to	Corresponding British Standard
IEC 62-2-3:1969	BS 2011 <i>Environmental testing</i> Part 2.1 <i>Tests</i> Part 2.1Ca:1977 <i>Test Ca. Damp heat, steady state</i>
IEC 68-2-14:1984	Part 2.1N:1985 <i>Test N. Change of temperature</i>
IEC 112:1979	BS 5901:1980 <i>Method of test for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions</i>
IEC 194:1988	BS 4727 <i>Glossary of electrotechnical, power, telecommunications, electronics, lighting and colour terms</i> Part 1 <i>Terms common to power, telecommunications and electronics</i> Group 11:1991 <i>Printed circuits</i>
IEC 216-2	BS 5691 <i>Guide for the determination of thermal endurance properties of electrical insulating materials</i> Part 2:1979 <i>List of materials and available tests</i>
IEC 249-3-3:1991	BS 4584 <i>Metal-clad base materials for printed wiring boards</i> Part 103 <i>Special materials used in connection with printed circuits</i> Section 103.3:1992 <i>Specification for permanent polymer coating materials (solder resist) for use in the fabrication of printed boards</i> BS 6221 <i>Printed wiring boards</i>
IEC 326-2:1990	Part 2:1991 <i>Methods of test</i>
IEC 326-4:1980	Part 4:1982 <i>Method for specifying single and double sided printed wiring boards with plain holes</i>

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Summary of pages

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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.

