SINGAPORE STANDARD

SS 101 : 1999

IEC 61032 : 1997

(ICS 13.260; 29.020)

SPECIFICATION FOR

Protection of persons and equipment by enclosures – Probes for verification

Published by
SPRING Singapore
2 Bukit Merah Central
Singapore 159835
SPRING Singapore Website: www.spring.gov.sg
Standards Website: www.standards.org.sg

SPRING singapore

SINGAPORE STANDARD

SS 101 : 1999

IEC 61032 : 1997

(ICS 13.260; 29.020)

SPECIFICATION FOR

Protection of persons and equipment by enclosures – Probes for verification

Head
Standardisation Department
SPRING Singapore
2 Bukit Merah Central
Singapore 159835
Telephone: 62786666 Telefax: 62786667
Email: stn@spring.gov.sg

ISBN 9971-67-711-3

Contents

National Foreword

This Singapore Standard was prepared by the Technical Committee on Electrical Accessories, under the direction of the Electrical and Electronic Product Standards Committee. This standard is identical to IEC 61032 : 1997-12 (Second Edition) which is published by the International Electrotechnical Commission. It constitutes a revision of SS IEC 1032 : 1990.

Annexes A and B are for information only.

Attention is drawn to the following:

1. IEC 60529 : 1989 shall be replaced by Singapore Standard SS IEC 529 : 1989 – Degrees of protection provided by enclosures (IP Code).

2. The comma has been used throughout as a decimal marker in IEC 61032, whereas in Singapore Standards it is a practice to use a full-point on the baseline as the decimal marker.

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*

2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*

Specification for protection of persons and equipment by enclosures – Probes for verification

1 General

1.1 Scope and object

This International Standard specifies details and dimensions of test probes intended to verify the protection provided by enclosures with regard to:

- protection of persons against access to hazardous parts inside the enclosure;
- protection of the equipment inside the enclosure against ingress of solid foreign objects.

The object of this International Standard is:

- to bring together in one publication object probes and access probes currently specified in other standards, together with any necessary new probes;
- to guide technical committees in the selection of test probes;
- to encourage those concerned to specify test probes in accordance with those already specified in this International Standard rather than modify details and dimensions;
- to limit the further proliferation of types of test probe.

1.2 General recommendations

When selecting probes, priority should be given to IP code probes.

The use of other probes, particularly probes which are not specified in this International Standard, should be limited to cases where the use of an IP code probe is for some reason impractical.

NOTE 1 – The selection of a test probe for a particular purpose is the responsibility of the relevant technical committees.

NOTE 2 – Technical committees wishing to develop new probes or to modify existing probes should submit proposals to technical committee 70 for amendment of this standard.

Application of the probes, test conditions, acceptance conditions and the procedure in case of conflicting test results are the responsibility of the relevant product committee.

Certificates based on test probes conforming to the first edition of IEC 61032 should remain valid.