

**BUREAU OF INDIAN STANDARDS**  
**DRAFT FOR COMMENTS ONLY**

(Not to be reproduced without the permission of BIS or used as an Indian Standard)

## **मसौदा भारतीय मानक**

इलेक्ट्रॉनिक उपकरणों के लिए कनेक्टर

भाग - 4- परीक्षण और माप

अनुभाग - 2: वोल्टेज तनाव परीक्षण - परीक्षण 4बी: आंशिक निर्वहन

### ***Draft Indian Standard***

*Connectors for electronic equipment*

*Part -4 Tests and measurements*

*Section - 2: Voltage stress tests - Test 4b: Partial  
discharge*

**ICS 31.220.10**

---

LITD 03- Electromechanical  
Components And Mechanical  
Structures For Electronic--equipment  
Sectional Committee

Last date for comments: 25 Dec 2023

### **NATIONAL FOREWORD**

(Formal clauses will be added later)

This draft Indian Standard which is identical to IEC 60512-4-2:2002 ‘Connectors for electronic equipment - Tests and measurements - Part 4-2: Voltage stress tests - Test 4b: Partial discharge ’may be adopted by the Bureau of Indian Standards on the recommendation of Electromechanical Components And Mechanical Structures For Electronic Equipment Sectional Committee and approval of the Electronics and Information Technology Division Council.

The text of IEC Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 ‘Rules for rounding off numerical values (revised)’. The number of significant places retained in the rounded-off value should be the same as that of the specified value in this standard.

**Scope of IEC 60512-4-2:2002 is as follows:**

This part of IEC 60512, when required by the detail specification, is used for testing electromechanical components within the scope of IEC technical committee 48. This test may also be used for similar devices when specified in a detail specification.

The object of this test is to define a standard test method to assess the ability of an electromechanical component to be used under specified voltage conditions without showing partial discharges.

**Note:** Technical content of this document has not been enclosed as these are identical to the corresponding IEC Standard, for details please refer IEC 60512-4-2:2002 or kindly contact:

Head Electronics & IT  
Department Bureau of Indian  
Standards 9, B.S. Zafar Marg,  
New Delhi-110002  
Email: [litd03@bis.gov.in](mailto:litd03@bis.gov.in), [litd@bis.gov.in](mailto:litd@bis.gov.in)  
Tele: 011-23608235