

For Comments Only

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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

भारतीय मानक मसौदा

विमान प्रदर्शन आवश्यकताओं के लिए सामान्य प्रयोजन पुश-पुल
सिंगल-पोल सर्किट-ब्रेकर

Draft Indian Standard

**GENERAL PURPOSE PUSH-PULL SINGLE-POLE CIRCUIT-BREAKERS FOR AIRCRAFT
PERFORMANCE REQUIREMENTS**

ICS: 49.060

Air and Space Vehicles Sectional Committee, TED 14

**Last date for receipt of comments is
04/03/2024**

NATIONAL FOREWORD

(Adoption Clause to be added later)

This standard was originally published in 1978. The first revision of this standard has been undertaken to keep pace with the latest technological developments and align it with the latest version of ISO 1467:1973.

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

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

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exists. The corresponding Indian Standard, which is to be substituted in its respective place, is listed below along with its degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO/R 224 Standard form of declaration of performance of aircraft electrical equipment.	Doc 14 (18906)/ ISO/TR 224:1998 Aircraft — Declaration of design and performance for aircraft equipment — Standard form	Identical under dual numbering

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO/R 469	Dimensions and conductor resistance of general purpose electrical cables with copper conductors, for aircraft.
ISO/R 474	Performance requirements for general purpose electrical cables with copper conductors for aircraft.
ISO/R 530	Dimensions for general purpose push-pull single-pole circuit-breakers for aircraft.
ISO 1540	Aircraft electrical power systems — Characteristics

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

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 (*second revision*)'. 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

This International Standard specifies the performance requirements for push-pull single-pole, trip-free circuit-breakers having an inverse time/current characteristic, of normal ratings up to and including 35 A, for use in nominal 28 V d.c. and/or 115 V single-phase 400 Hz a.c. line to neutral circuits.

NOTE — It is not envisaged that single-phase circuit-breakers will be required for 200 V a.c. line to line circuits. Tests outside the scope of this International Standard will be necessary if the circuit-breaker is required in such applications.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 1467:1973 or CONTACT:

P. V. Srikanth
Scientist- D & Head
Transport Engineering Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi 110 002
Email: ted@bis.org.in, hted@bis.org.in
Telefax: 011- 2323 6311