
INTERNATIONAL STANDARD



1033

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Aircraft — Dimensions for general purpose push-pull three-pole circuit-breakers

Aéronefs — Dimensions des disjoncteurs tripolaires à bouton-poussoir d'usage courant

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Descriptors : aircraft, aircraft equipment, circuit breakers, dimensions.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 20 has reviewed ISO Recommendation R 1033 and found it technically suitable for transformation. International Standard ISO 1033 therefore replaces ISO Recommendation R 1033-1969 to which it is technically identical.

ISO Recommendation R 1033 was approved by the Member Bodies of the following countries :

Belgium	Israel	Switzerland
Canada	Italy	Thailand
Czechoslovakia	Netherlands	United Kingdom
Egypt, Arab Rep. of	Portugal	U.S.S.R.
France	Spain	

The Member Bodies of the following countries expressed disapproval of the Recommendation on technical grounds :

Germany
U.S.A.

The Member Body of the following country disapproved the transformation of ISO/R 1033 into an International Standard :

Germany

Aircraft – Dimensions for general purpose push-pull three-pole circuit-breakers

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the dimensions for general purpose push-pull circuit-breakers for aircraft, of ratings up to and including 35 A.

NOTE – Attention is drawn to the necessity for the national approving authority being satisfied that the rupturing capacity of a particular circuit-breaker is adequate for the application in which it is proposed to be used.

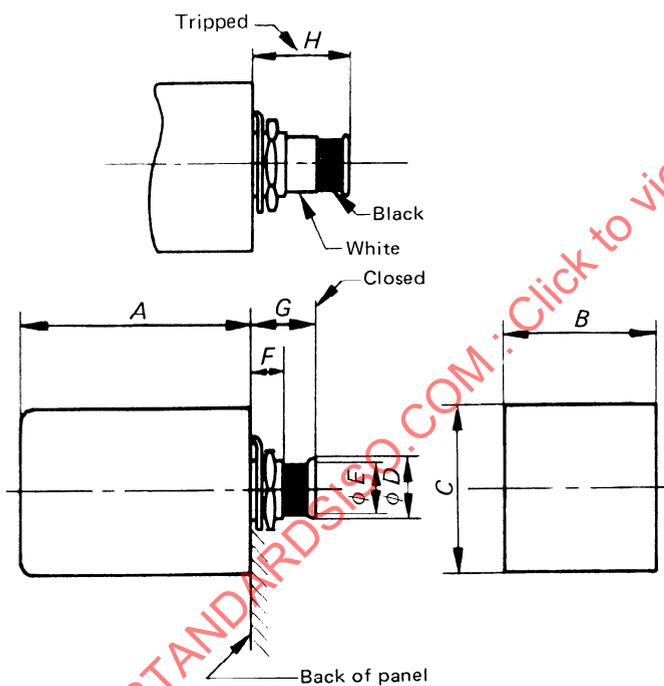


FIGURE 1 – Circuit-breaker dimensions

2 DIMENSIONS

2.1 The dimensions of the circuit-breakers, and of the part projecting through the mounting panel, shall be as shown in figure 1.

2.2 The circuit-breaker shall have at the centre of the front face of the case a 12 mm diameter, 1 mm pitch, or equivalent, male thread for fixing through the mounting panel.

2.3 The holes in the panel for mounting the circuit-breaker shall be as shown in figure 2. The small panel hole may be used to prevent rotation of the circuit-breaker.

Dimension	mm	in
A ¹⁾ max.	67	2.6
B max.	57	2.25
C max.	56	2.22
D ²⁾ max.	10,4	0.41
E ²⁾ max.	8,2	0.325
F max.	9	0.36
G max.	16,3	0.65
H max.	22,8	0.9

1) Including terminations.

2) For designs not using mounting by a single nut and locking washer, the following dimensions are acceptable :

Dimension	mm	in
D max.	12,4	0.49
E max.	9,4	0.37

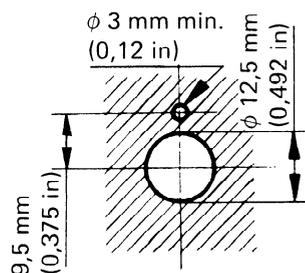


FIGURE 2 – Panel drilling