

ISO

transformation

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1033

DIMENSIONS FOR GENERAL PURPOSE PUSH-PULL
THREE-POLE CIRCUIT-BREAKERS FOR AIRCRAFT

1st EDITION

March 1969

COPYRIGHT RESERVED

The copyright of ISO Recommendations and ISO Standards belongs to ISO Member Bodies. Reproduction of these documents, in any country, may be authorized therefore only by the national standards organization of that country, being a member of ISO.

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

ISO Recommendation

R 1033

March 1969

**DIMENSIONS FOR GENERAL PURPOSE PUSH-PULL
THREE-POLE CIRCUIT-BREAKERS FOR AIRCRAFT**

1. SCOPE

This ISO Recommendation states the dimensions for general purpose push-pull three-pole circuit-breakers for aircraft, of ratings up to and including 35 amperes.

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.

2. DIMENSIONS OF CIRCUIT-BREAKERS

- 2.1 The dimensions of the circuit-breakers, and of the part projecting through the mounting panel, should be as shown in Figure 1.
- 2.2 The circuit-breaker should 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 should be as shown in Figure 2. The small panel hole may be used to prevent rotation of the circuit-breaker.

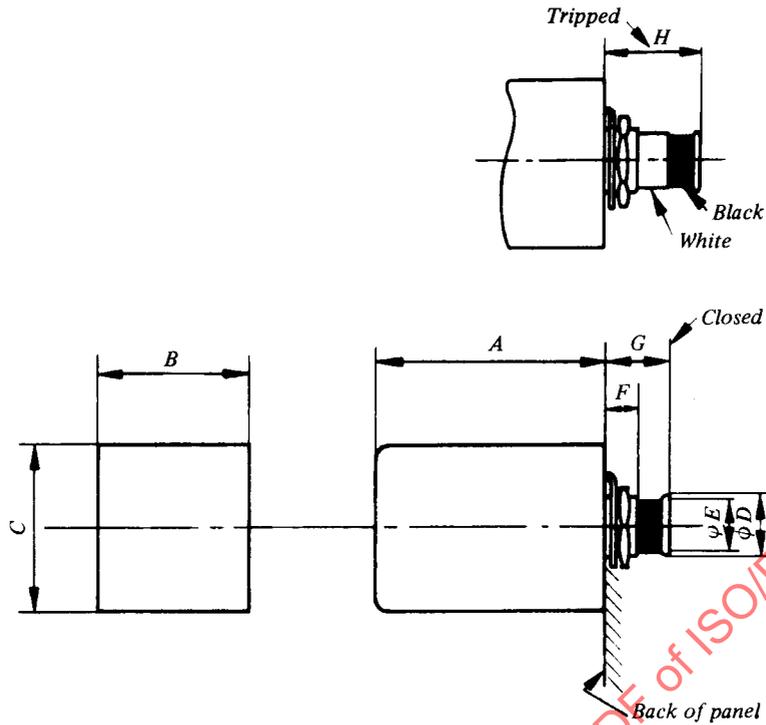


FIG. 1 - Circuit-breaker dimensions

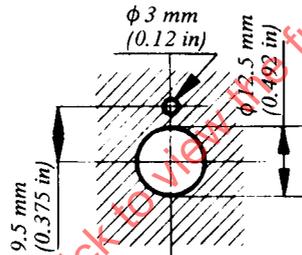


FIG. 2 - Panel drilling

Dimension	mm	in
A*	67 max.	2.6 max.
B	57 max.	2.25 max.
C	56 max.	2.22 max.
D**	10.4 max.	0.41 max.
E**	8.2 max.	0.325 max.
F	9 max.	0.36 max.
G	16.3 max.	0.65 max.
H	22.8 max.	0.9 max.

* Including terminations.

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

Dimension	mm	in
D	12.4 max.	0.49 max.
E	9.4 max.	0.37 max.

