

ISO

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1033

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

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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.

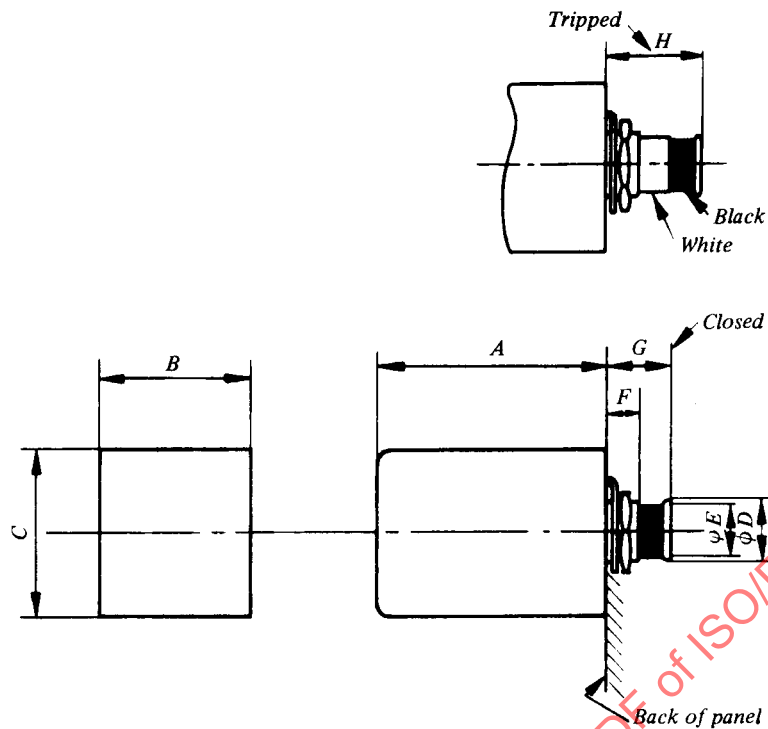


FIG. 1 – Circuit-breaker dimensions

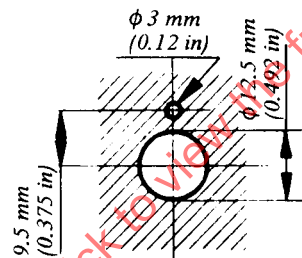


FIG. 2 – Panel drilling

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.

