

PROJ 5925-F06201

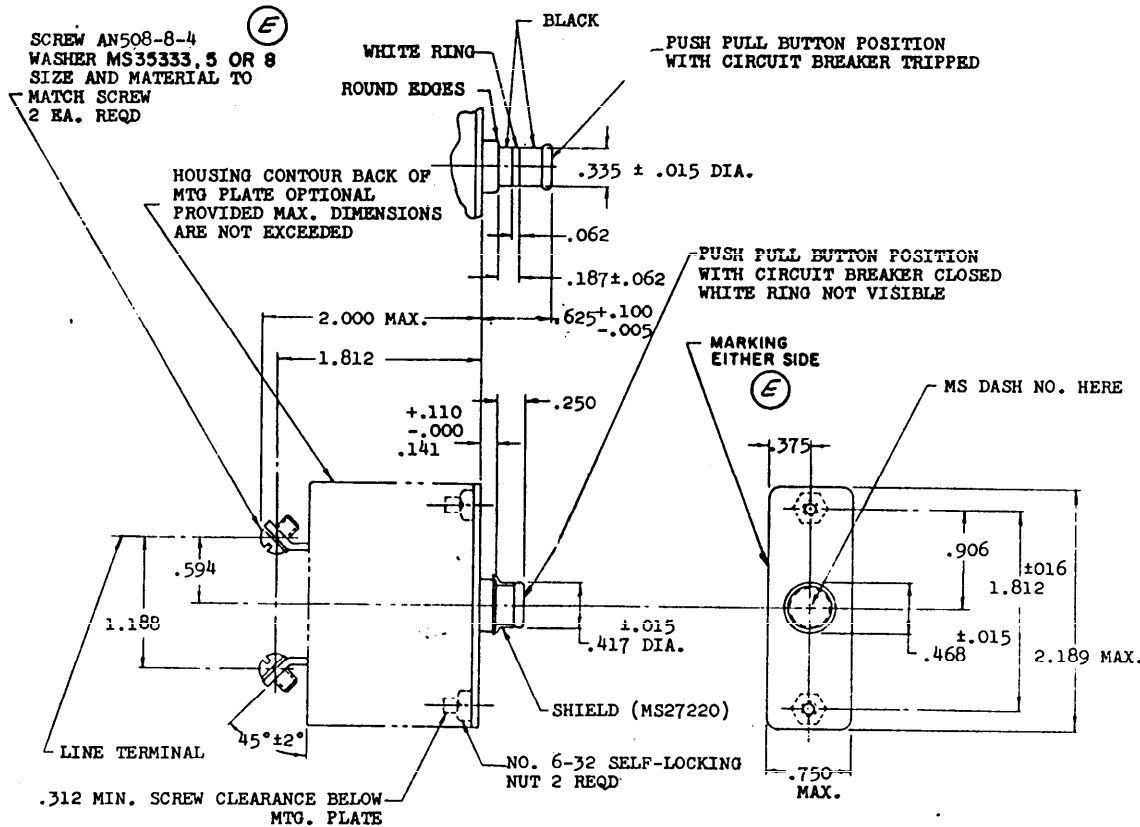
FED. SUP CLASS

5925

Reviewer: ES

NOTICE:—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

This military standard is approved by the AFM, Department of the Air Force and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.



MS PART NO.	CAPACITY AMPERES
MS24506-5	5
MS24506-7	7.5
MS24506-10	10
MS24506-15	15
MS24506-20	20
MS24506-25	25
MS24506-35	35
MS24506-50	50

## DETAIL REQUIREMENTS

MAX. OPERATING FORCE  
PULL OUT 8 LB  
RESET 12 LB

MAX OPERATING ALTITUDE 65,000 FT.

MAX VOLTAGE DROP 0.5

MAX DIELECTRIC 1500 V. rms

MAX WEIGHT .2 LBS.

TO BE USED IN PROPELLER CIRCUITS ONLY - IN OTHER CIRCUITS  
USE MS25017

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

P.A. Other Cust	AIR FORCE - 80 (E)	TITLE CIRCUIT BREAKER - AIRCRAFT, NON TRIP-FREE, PUSH PULL, 5 TO 50 AMP, TYPE I	MILITARY STANDARD MS24506(USAF)
PROCUREMENT SPECIFICATION MIL-C-7079	SUPERSEDES: AN3161	SHEET 1 OF 2	

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 7 FEB 58 REVISED 22 APRIL 1965 (E) 30 JULY 71

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## DETAIL ENDURANCE PERFORMANCE

SYSTEM	VOLTAGE	TYPE OF LOAD	NO. OF CYCLES
28-VOLT DC	30 $\pm$ 2	INDUCTIVE	800
		RESISTIVE	800
MECHANICAL CYCLING	0.0	NO LOAD	800

## DETAIL RUPTURE CURRENT PERFORMANCE

TEST	SYSTEM	VOLTAGE BEFORE FAULT	CALIBRATED FAULT CURRENT (AMPERES)	TRANSIENT VOLTAGE AFTER CALIBRATED FAULT CURRENT INTERRUPTION	OPEN CIRCUIT VOLTAGE
NORMAL TRIP	28 VOLT DC	30 $\pm$ 2	3000 IN .01 TO .03 SECONDS AFTER FAULT INITIATION	28 WITHIN 002 SECOND 50 MAXIMUM	30 $\pm$ 2
HOLD-IN					

## DETAIL CALIBRATION PERFORMANCE

TEST	CIRCUIT BREAKER RATING	% RATED CURRENT	AMBIENT TEMP. °C. $\pm$ 2	TRIPPING TIME
MIN. ULT. TRIP	5-50	115	25	NO TRIP - 1 HOUR
MAX. ULT. TRIP	5-50	138	25	1 HOUR MAX.
OVERLOAD CALIBRATION	5-50	200	25	10 TO 50 SECONDS
AMBIENT EFFECT ON CALIBRATION	5-50	200	-45.5 +57.2	25 TO 180 SECONDS 5 TO 45 SECONDS

P.A. AIR FORCE - 80

Other Cust

(E)

TITLE

CIRCUIT BREAKER, - AIRCRAFT, NON TRIP-FREE, PUSH PULL,  
5 TO 50 AMP  
TYPE I

MILITARY STANDARD

MS24506(USAF)

PROCUREMENT SPECIFICATION  
MIL-C-7079

SUPERSEDES:

AN3161

SHEET 2

APPROVED 7 FEB 58 REVISED (E) SEE SHTS 1 &amp; 2

Reviewer: ES

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