

FED. SUP CLASS
5925

LINE TERMINAL

SCREW AN515-BR4
OR AN515CBB4
LOCKWASHER AN935-B
OR AN936BB
2 EACH REQUIRED

HOUSING CONTOUR BACK OF MOUNTING
PLATE OPTIONAL, PROVIDED MAX
DIMENSIONS ARE NOT EXCEEDED.

2.00 ± .06

1.812

.312 MIN

.04 MAX TO
THREADED PORTION

ON

.75 ± .06

MARK
"ON" POSITION OF
TOGGLE LEVER ON
MOUNTING PLATE
FACE

1.188

.177
MIN

.25

.719 ± .094

TRIPPED OR OFF

GROOVE IN BALL TIP

NUT, NO. 6-32 UNC, SELF-
LOCKING, 2 EACH REQUIRED
DESIGN OPTIONAL

REAR VIEW
(W/O SCREWS & LOCKWASHERS)

45° ± 2°
0°

.906

2.189

1.812
± .016

.500
MAX

.313 ± .005
DIA

TEST NO.	SYSTEM	VOLTAGE BEFORE FAULT	CALIBRATED FAULT CURRENT (AMPERES)	TRANSIENT VOLTAGE AFTER CALIBRATED FAULT CURRENT INTERRUPTION	OPEN CIRCUIT VOLTAGE
A	400 CYCLE	120 ± 5	2000 IN 10 TO 25 CYCLES AFTER FAULT INITIATION	120 WITHIN 3 CYCLES 150 WITHIN 6 CYCLES	120 ± 5
B	115/200 VOLT	400 ± 20 CPM	POWER FACTOR .4 TO .5 LAGGING	165 MAXIMUM	30 ± 2
C	28 VOLT DC	30 ± 2	3000 IN .01 TO .03 SECONDS AFTER FAULT INITIATION	28 WITHIN .002 SECOND 50 MAXIMUM	30 ± 2
I	400 CYCLE	120 ± 5	2000 1000 750	120 WITHIN 3 CYCLES 165 MAXIMUM	120 ± 5
J	115/200 VOLT	400 ± 20 CPM	3000 IN .01 TO .03 SECONDS	28 WITHIN .002 SECOND 50 MAXIMUM	30 ± 2

SYSTEM	VOLTAGE	LOAD	CYCLES
400 CYCLE	120 ± 5	INDUCTIVE	2500
115/200 VOLT	400 ± 20 CPM	.6 TO .7 LAG RESISTIVE	5000
28 VOLTS DC	30 ± 2	INDUCTIVE	2500
		RESISTIVE	5000
CYCLING	0.0	NO LOAD	10000

MAXIMUM OPERATING FORCE: ON-OFF	3 LB
RESE	7.5 LB
MAXIMUM OPERATING ALTITUDE	65,000 FT
MAXIMUM VOLTAGE DROP	0.5 VOLTS
MAXIMUM WEIGHT	0.2 LB

TEST	CIRCUIT BREAKER RATING	PERCENT RATED CURRENT	AMBIENT TEMP °C ±2° C	TRIPPING TIME
MIN ULTIMATE TRIP	5-50	115	25	NO TRIP (a)
MAX ULTIMATE TRIP	5-50	130	25	1 HOUR, MAX
OVERLOAD	5-50	200	25	15 TO 55 SECONDS
CALIBRATION	5-50	400	25	2 TO 7 SECONDS
	5-50	600	25	1 TO 3.5 SECONDS
AMBIENT EFFECT ON CALIBRATION	5	158	-40	NO TRIP (a)
	5	178	-40	1 HOUR, MAX
	7.5-50	148	-40	NO TRIP (a)
	7.5-50	165	-40	1 HOUR, MAX
	5	80	+71	NO TRIP (a)
	5	108	+71	1 HOUR, MAX
	7.5-50	70	+71	NO TRIP (a)
	7.5-50	114	+71	1 HOUR, MAX

(a) TESTING TIME 1 HOUR

-5	5
-7	7.5
-10	10
-15	15
-20	20
-25	25
-35	35
-50	50

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NEW DESIGN
AFTER 7 DEC 1983

NOTES:

1. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED: TOLERANCES, DECIMALS ± .031.
2. CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASNC AIR STD 12/3. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIAN WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(C) DENOTES CHANGES

P.A. NAVY - 15	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Code	ASNC AIR STD 12/3	CIRCUIT BREAKER, AIRCRAFT TRIP-FREE TOGGLE, 5-50 AMP	MS25337(AS)
USAF-85			
ARMY-ER			
PROCUREMENT SPECIFICATION	SUPERSEDES:		SHEET 1 OF 1
MIL-C-5809			

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. W93 PROJECT NO. 5925-0147-9 PLATE NO. 1434

APPROVED 21 JULY 1966 REVISED 12 FEB 1960 7 DEC 83

This standard has been approved by the BUREAU OF NAVAL WEAPONS Department of the NAVY and is mandatory for use by all activities. All other military activities are required to comply with this standard where suitable.