

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

AS28938

FEDERAL SUPPLY CLASS  
5920

# NOTICE

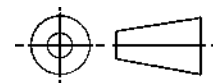
THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS28938B AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS28938B. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of as28938

THIRD ANGLE PROJECTION



ISSUED 2002-02

CUSTODIAN: SAE AE-8/AE-8B1

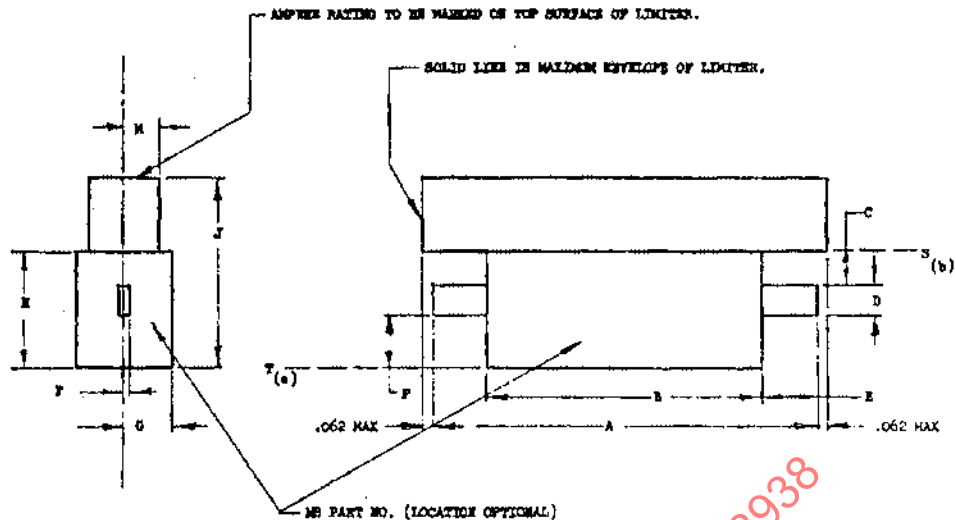
PROCUREMENT SPECIFICATION: MIL-F-5372

**SAE** The Engineering Society  
For Advancing Mobility  
Land Sea Air and Space®  
400 Commonwealth Drive, Warrendale, PA 15096-0001

## AEROSPACE STANDARD

FUSE, LIMITER TYPE, ENCLOSED LINK,  
INTERMEDIATE RATING, AIRCRAFT

**AS28938**  
SHEET 1 OF 3



| MS<br>PART NO. | AMPERE<br>RATING | WEIGHT<br>LB MAX | A<br>±.031 | B<br>MAX | C<br>MIN | D<br>MIN | E<br>MIN | F<br>±.003 | G<br>MAX | H<br>MAX | J<br>MAX | M<br>MAX | P<br>MIN | FUSEHOLDER<br>(REF) |
|----------------|------------------|------------------|------------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|---------------------|
| MS28938-01     | 1                | .033             | 1.969      | 1.400    | .100     | .156     | .280     | .031       | .250     | .625     | 1.000    | .195     | .156     | MS24000             |
| MS28938-02     | 2                |                  |            |          |          |          |          |            |          |          |          |          |          |                     |
| MS28938-03     | 3                |                  |            |          |          |          |          |            |          |          |          |          |          |                     |
| MS28938-15     | 15               |                  |            |          |          |          |          |            |          |          |          |          |          |                     |
| MS28938-25     | 25               | .047             | 2.219      | 1.500    | .125     | .219     | .350     | .047       | .360     | .682     | 1.140    | .235     | .200     | MS24001             |
| MS28938-35     | 35               |                  |            |          |          |          |          |            |          |          |          |          |          |                     |

MATERIAL: LIMITER BLADE; COPPER WITH SILVER PLATE

PLASTIC; SILICONE PER MIL-M-14 TYPE MSI-30 OR DIALYL ISOPHTHALATE PER MIL-M-19833, TYPE GDI-30F

COLOR - RED PER MIL-STD-104 EITHER CLASS 1 OR 2.

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES; DECIMALS ±.015

VOLTAGE RATING: 115/200 VOLTS AC, 400 CPS, 28 VOLTS DC.

CONFIGURATION OF BODY LIMITER OPTIONAL PROVIDED MAXIMUM DIMENSIONS ARE NOT EXCEEDED.

- WHEN T IS USED TO BOTTOM LIMITER IN FUSEHOLDER CLIP, DIMENSION P APPLIES.
- WHEN S IS USED TO BOTTOM LIMITER IN FUSEHOLDER CLIP, DIMENSION C APPLIES.

ALTERNATING CURRENT INTERRUPTING CAPACITY SHALL MEET THE REQUIREMENTS OF 3.5.6 OF MIL-F-5372 EXCEPT THAT THE INTERRUPTING PROSPECTIVE FAULT CURRENT SHALL BE 3500 AMPERES FOR A LINE TO NEUTRAL FAULT AND 2500 AMPERES FOR A LINE TO LINE FAULT.

DIRECT CURRENT INTERRUPTING CAPACITY SHALL MEET THE REQUIREMENTS OF 3.5.7 OF MIL-F-5372 EXCEPT THAT THE INTERRUPTING PROSPECTIVE FAULT CURRENT SHALL BE 3500 AMPERES.