

NOTES

- 1 - COINCIDENCE OF OPERATION AND RELEASE POINTS: .010 OF PLUNGER TRAVEL
- 2 - CORROSION RESISTANT STEEL ENCLOSURE AND PLUNGER
- 3 - SWITCH SEALED PER MIL-PRF-8805 SYMBOL 4
- $\triangle 4$ PRINT CIRCUIT DIAGRAM, CATALOG LISTING, FED. MFG. CODE, AND DATE CODE ON NAMEPLATE
- $\triangle 5$ PLASTIC MATERIAL(S) CONFORM TO MIL-M-14 OR MIL-M-24519
- $\triangle 6$ 6X WIRE LEAD PER MIL-W-22759/7, 20 GAGE, MARKED WITH CIRCUIT IDENTIFICATION AND WIRE GAGE (1-20, 2-20, ETC) PER MIL-W-5088
- 7 - SHOCK PER MIL-PRF-8805 SYMBOL M
- 8 - VIBRATION PER MIL-PRF-8805 GRADE 1
- 9 - MINIMUM MECHANICAL LIFE: 100,000 CYCLES
- 10 - MINIMUM ELECTRICAL LIFE: 25,000 CYCLES AT RATED LOAD
- $\triangle 11$ HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- $\triangle 12$ INITIAL OPERATION OF THE SWITCH WILL OCCUR WITHIN THE PRETRAVEL SPECIFICATION AND RELEASE PER THE CLICK DISTANCE SPECIFICATION. CLICK DISTANCE IS THE DISTANCE THE PLUNGER RETURNS FROM THE DOWNWARD STROKE TO THE POINT OF CIRCUIT TRANSFER
- $\triangle 13$ INSTALLATION OF THE SWITCH SHOULD DEPRESS THE PLUNGER A MINIMUM OF THE SUM OF THE PRETRAVEL AND THE CLICK DISTANCE. IF THE PLUNGER TRAVEL IS LESS THAN THIS SUM, THE CLICK DISTANCE WILL BE EQUAL TO PLUNGER TRAVEL MINUS THE PRETRAVEL MINUS APPROXIMATELY .010
- 14 - THE SWITCH WILL SELF ADJUST TO THE PROPER RELATIONSHIP WITH THE ACTUATOR UPON COMPLETION OF THE FIRST CYCLE. THIS RELATIONSHIP WILL REMAIN CONSTANT UNTIL THE ACTUATOR HAS A GROSS CHANGE IN DISPLACEMENT. THE SWITCH MAY THEN BE REINSTALLED TO THE NEW OR OLD ACTUATOR DISPLACEMENT AND ONCE AGAIN IT WILL SELF ADJUST TO THE PROPER RELATIONSHIP
- $\triangle 15$ BASICS PER MS24547-4 (SILVER)

CATALOG LISTING
IHS431
PAGE 1 OF 1

RELEASE NO. PR-24191

REPLACES

ISSUE
M
2

CHECK

REVISIONS

A	0001506	GLH	23SEP03
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CHECK

W J C 22SEP99

J A F 22SEP99

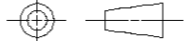
FORMTEK

DRAWN

ANSI Y14.5M-1982 APPLIES

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THIRD ANGLE PROJECTION



CHARACTERISTICS $\triangle 12, 13$	ELECTRICAL DATA		SCALE 2:1
	CONTACT ARRANGEMENT $\triangle 15$		DO NOT SCALE PRINT
PRETRAVEL - - - - - .040 MAX	2X SPDT		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
OPERATING FORCE - - - - - 5-30 LBS	LOAD (AMPS)	28 VDC	ONE PLACE (.0) \pm .030
TOTAL TRAVEL - - - - - .125 MIN		SEA LEVEL	50,000 FT
CLICK DISTANCE - - - - - .050 MAX	CONTACT	SILVER	THREE PLACE (.000) \pm .005
RELEASE FORCE - - - - - 4 LB MIN	RESISTIVE	7	ANGLES \pm 4°
ACTUATOR FORCE - - - - - 30 LB MAX	INDUCTIVE	4	WEIGHT
	MOTOR	4	