

MICRO SWITCH

FREEPORT, ILLINOIS, U.S.A.
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH - TOGGLE (MAGNETIC HOLD-IN)

CATALOG LISTING

27ET71-T

27ET71-T

DRAWING
NUMBER

ISSUE

6

REPLACES

RELEASE NO. PR-12152

CHECK

REVISIONS

A	OBS DWG CO-47551
7	WJM APR 80
B	REINST PR-12152
17	WJM MAY 83
C	CO54089
8	J A P DEC 83
D	CO 66786
5	M A M FEB 90

CHECK

8 MAY 83

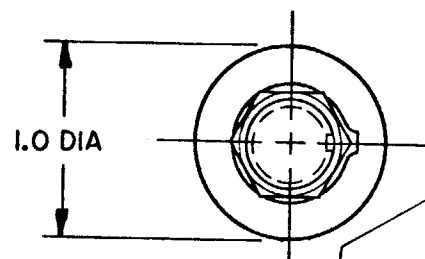
CHECK

17 MAY 83

WJM

FO-5285 1-B

DRAWN



POSITION A
CIRCUITS 1-3 AND 4-5 MADE
(ELECTRICALLY MAINTAINED POSITION)

POSITION C
CIRCUITS 1-2 AND 4-6
MADE (ELECTRICALLY
MAINTAINED POSITION)

30°±4° TOTAL TRAVEL

.388

POSITION B
CIRCUITS 1-2 AND 4-5 MADE
(MECHANICALLY MAINTAINED
POSITION)

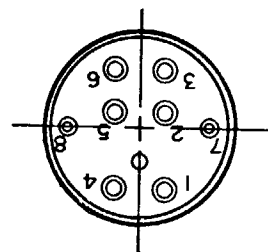
1.160±.030

.47

.05

.047 DIA HOLE FOR
WIRE LOCKING

2.280 MAX



.240 DIA

3°
REF

LEVER (MATTE FINISH)

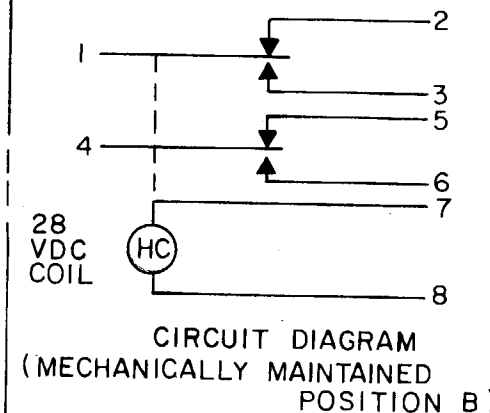
.072±.004 WIDE X .031 DEEP KEYWAY
TO WITHIN .250 OF SHOULDER

15/32-32 UNS THREAD TO WITHIN
.090 OF SHOULDER

HEX NUT .625 ACROSS FLATS X .125
THICK (2) 7

INTERNAL TOOTH LOCKWASHER .59 DIA
X .018 REF THICK 7

KEYING WASHER .72 DIA X .031 THICK
TAB, .110 WIDE 7



NOTES

- 1 - EXPOSED PARTS ARE OF CORROSION RESISTANT MATERIAL OR ARE SUITABLY PROTECTED TO PREVENT CORROSION. ENCLOSURE FINISHED WITH BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595
- 2 - SWITCH SEALED PER MIL-S-5594
- 3 - HOLD IN VOLTAGE: THE MINIMUM SPECIFIED VOLTAGE AT WHICH THE LEVER WILL REMAIN ACTUATED, HOLD IN MAY OCCUR AT A LOWER VALUE. DROP OUT VOLTAGE: THE VOLTAGE RANGE IN WHICH THE LEVER WILL BE RELEASED
- 4 - CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE COIL WILL NOT CAUSE TRANSFER OF CIRCUITS
- 5 - CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH
- 6 - WEIGHT OF SWITCH ONLY IS 4.0 OZ MAX
- 7 - HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594

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CHARACTERISTICS	3
SOLENOID RATING AT 20°C	
STEADY STATE LIMITS	20-29 VDC
HOLD IN	15 VDC
DROP OUT	0-15 VDC
COIL RESISTANCE	220 OHM MIN
OPERATING FORCE	7 LB MAX
OVERRIDE FORCE AT 29 VDC	10 LB MAX

ELECTRICAL DATA

CONTACT ARRANGEMENT
SPDT (2)

VOLTAGE

28 VOLTS DC

RATING IN AMPERES

SEA LEVEL

65,000 FT

RES IND MOTOR RES IND MOTOR

1 .5 1 .5

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR
REFERENCE. UNLESS NOTED, TOLERANCES ARE ±

DIM.	TOL.	DIM.	TOL.
mm	mm/in	in	mm/in
NO PLACES	X	1/64	
ONE PLACE	X,X	0.4/018	X,X
TWO PLACES	X,X,X	0.15/008	X,X,X
THREE PLACES	X,X,X,X	0.01/005	X,X,X,X
ANGLES			

DESIGN UNITS ☐ SI METRIC ☒ US CUSTOMARY

THIRD ANGLE PROJECTION

WEIGHT

6