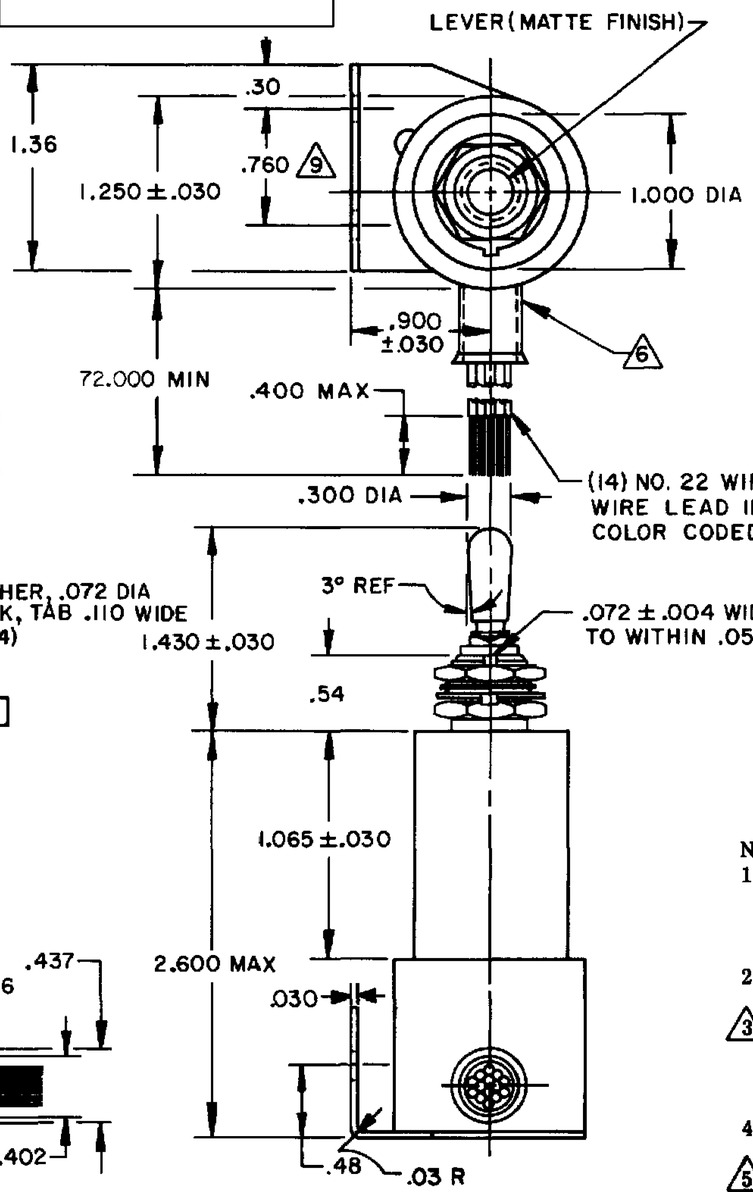
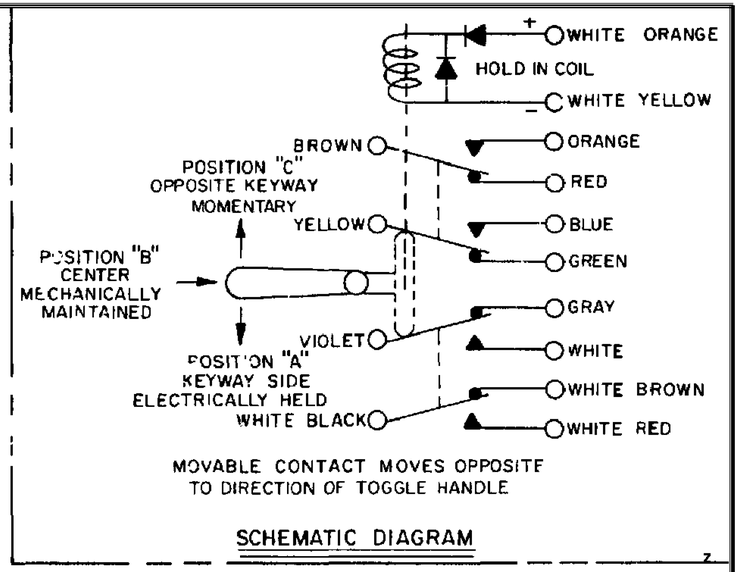
MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

SWITCH - TOGGLE (MAGNETIC HOLD-IN)

CATALOG LISTING
29ET3





SCHEMATIC DIAGRAM

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CHARACTERISTICS (3)

SOLENOID RATING AT 20° C

STEADY STATE LIMITS	15 – 30 VDC
HOLD IN	15 VDC
MINIMUM DROP OUT	1.5 VDC
COIL RESISTANCE	220 OHM MIN
OPERATING FORCE	2-7 LB
OVERRIDE FORCE AT 30 VDC	2 1/2 TO 10 LBS.

ELECTRICAL DATA

CONTACT ARRANGEMENT
SPDT (4)

VOLTAGE	RATING IN AMPERES							
	SEA LEVEL				65,000 FT.			
		RES	IND	MOTOR		RES	IND	MOTOR
28 VOLTS DC		5	2			3	1.5	

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT (8)

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) SOLDER PLATED .300 MIN FROM END OF GUARD

7 – THE DIODES ARE JAN TXV TYPE AND LIMIT THE EMI SPIKES (TRANSIENTS OF DURATION LESS THAN 500 MICRO SECONDS) GENERATED BY THE SWITCH COIL SHALL NOT EXCEED +42 VOLTS OR -14 VOLTS ABSOLUTE

(8) WEIGHT OF SWITCH ONLY IS 8 OZ MAX. WEIGHT OF SWITCH WITH WIRE LEADS IS 13 OZ MAX

(9) BRACKET MOUNTING HOLES (2) .172 DIA.

(10) FORCE TO BE APPLIED AT THIS POINT IN A DIRECTION PERPENDICULAR TO THE LEVER LONGITUDINAL AXIS

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REVISIONS

		CHECK
A	C079565 GJW 6 AUG 96	
B	200859 CSL 3 AUG 00	
C	202442 CSL 26 FEB 01	
D	0007597 TCC-AP 1 SEP 04	CHECK
E	0040079 MPH 03JUN08	
		14 AUG 96
		MAM
		CHECK
		6 AUG 96

DRAWN GJW | RASTER