



SPECIFICATION DETAILS:		M	29ET28-6-B
STANDARD:	CONFORMS TO MIL-S-5594		
CONSTRUCTION:			
ENCLOSURE DESIGN	SEALED TO 1 X 10-6 ATM*CC/S PER MIL-S-5594 PARA.3.12 & 4.9.8		
SEAL MATERIAL	SILICONE RUBBER		
CONTACT MATERIAL & CONFIGURATION	SMOOTH GOLD PLATED SILVER CONTACTS 5		
CIRCUIT CONFIGURATION	4X S P D T		
TERMINATION	SIDE EXIT LEADWIRES		
WEIGHT			
EXPOSED METALS	CORROSION RESISTANT OR SUITABLY PROTECTED TO PREVENT CORROSION		
ENCLOSURE PAINT	BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595		
ELECTRICAL CHARACTERISTICS:			
ELECTRICAL RATINGS	VOLTAGE	INDUCTIVE	RESISTIVE
-SEA LEVEL	28 VDC	.5 A	1 A
-65,000 FEET	28 VDC	.5 A	1 A
DIELECTRIC STRENGTH & INSULATION RES	DIELECTRIC STRENGTH		INSULATION RESISTANCE
-BETWEEN ALL TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL OR GROUNDED PARTS	≈ 60 Hz FOR 5 SEC		
-BETWEEN ALL TERMINALS OF MUTUALLY INSULATED CIRCUITS, INCLUDING BETWEEN POLES	1000V RMS, 1000μA (MAX LKG)		N/A
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000V RMS, 1000μA (MAX LKG)		N/A
SWITCH RESISTANCE	N/A		
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts	YES 9		
MECHANICAL CHARACTERISTICS: 3			
STEADY STATE LIMITS	20-29 VDC		
HOLD IN VOLTAGE	15 VDC		
DROP OUT VOLTAGE	0-15 VDC		
OPERATING FORCE AT 30 VDC	2-7 lb		
OVERRIDE FORCE AT 30 VDC	2.5-10 lb		
SOLENOID RESISTANCE AT 30 VDC AND 68° F (20° C)	220 OHMS MIN		
MOUNTING STRENGTH	15 lbf-IN (1.7 NM) MAX		
ACTUATING STRENGTH	25 lbf (111.2N) PER MIL-S-5594 PARA.3.8 & 4.9.4.A 15 lbf (66.7N) PER MIL-S-5594 PARA.3.8 & 4.9.4.B		
LIFE:			
MECHANICAL LIFE	40,000 CYCLES MIN PER MIL-S-5594 PARA.3.10 & 4.9.6		
ELECTRICAL LIFE AT FULL RATED LOAD	20,000 CYCLES MIN PER MIL-S-5594 PARA.3.11 & 4.9.7		
ENVIRONMENTAL:			
TEMPERATURE RANGE	-85° F (-65° C) TO +160° F (+71° C)		
ALTITUDE RANGE	SEA LEVEL TO 65,000 FT		
SHOCK	PER MIL-S-5594 PARA. 3.14 & 4.9.10		
VIBRATION	PER MIL-S-5594 PARA. 3.13 & 4.9.9		
MOISTURE RESISTANCE	PER MIL-S-5594 PARA. 3.17 & 4.9.13		
ACCELERATION	PER MIL-S-5594 PARA. 3.15 & 4.9.11		
SALT SPRAY	PER MIL-S-5594 PARA. 3.16 & 4.9.12		
SAND AND DUST	PER MIL-S-5594 PARA. 3.18 & 4.9.14		
EXPLOSION	PER MIL-S-5594 PARA. 3.19 & 4.9.15		

- NOTES
- 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
 - SWITCH SEALED PER MIL-S-5594
 - 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
 - CIRCUITS CAN BE TRANSFERRED MANUALLY. ENERGIZING THE COIL WILL NOT CAUSE TRANSFER OF CIRCUITS
 - CIRCUIT IDENTIFICATION IS SHOWN ON SWITCH
 - HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594
 - SWITCHES DO NOT NECESSARILY OPERATE SIMULTANEOUSLY
 - THE DIODES ARE JANTXV 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
 - CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED
 - OR FOR HELP WITH SPECIFIC APPLICATIONS
 - WEIGHT OF SWITCH ONLY IS 8 OZ MAX AND WEIGHT OF SWITCH WITH WIRE LEADS IS 13 OZ MAX