



NOTES

- 1 PERMANENTLY MARKED WITH CIRCUIT DIAGRAM,CATALOG LISTING, DATE CODE,CUSTOMER PART #, AND FED. MFG. CODE LOCATED IN CUSTOMER DEFINED AREA
- 2 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
- 3 CONTACT HONEYWELL-MICRO SWITCH IF ADDITIONAL INFORMATION ON LOW ENERGY LOADS IS REQUIRED OR FOR HELP WITH SPECIFIC APPLICATIONS
- 4 LIFE RATINGS ARE PER MIL-PRF-8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL-MICRO SWITCH FOR ADDITIONAL DATA
- 5 PROTECTIVE BAND INSTALLED AND SHIPPED WITH PRODUCT
- 6 #63 FINISH LOCATED IN CUSTOMER DEFINED AREA

REV	DOCUMENT	CHANGED BY	CHECK
6	206957	GLH 10DEC02	SAV

SPECIFICATION DETAILS:			
STANDARD:		CONFORMS TO MS27240-5 (MIL-PRF-8805/43), EXCEPT AS NOTED	
CONSTRUCTION:			
ENCLOSURE DESIGN		RESILIENT SEAL PER (MIL-PRF-8805/43) SYMBOL 4	
CONTACT MATERIAL & CONFIGURATION		SMOOTH GOLD CONTACTS	
CIRCUIT CONFIGURATION		S P D T	
TERMINATION		MIL-W-22759/34	
WEIGHT			
EXPOSED METALS		CORROSION RESISTANT STAINLESS STEEL	
ELECTRICAL CHARACTERISTICS:			
ELECTRICAL RATINGS			
		<u>VOLTAGE</u>	<u>RESISTIVE</u> <u>LOAD INDUCTIVE</u>
-SEA LEVEL		28 VDC	1A .5A
-50,000 FEET		28 VDC	1A .5A
DIELECTRIC STRENGTH & INSULATION RES (BASIC SWITCH)		<u>DIELECTRIC STRENGTH</u> <u>INSULATION RESISTANCE</u> (≈ 60 Hz FOR 5 SECONDS) (500 VDC ±10%)	
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL		1000 V Rms, 500μ A (MAX LEAKAGE) 1000 Megohms MIN	
-BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS		1000 V Rms, 500μ A (MAX LEAKAGE) 1000 Megohms MIN	
-BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE		1000 V Rms, 500μ A (MAX LEAKAGE) 1000 Megohms MIN	
SWITCH RESISTANCE		N/A	
RECOMMENDATION OR USE IN APPL LESS THAN .5 amps AND/OR 12 volts		3	
MECHANICAL CHARACTERISTICS:			
COINCIDENCE OF OPERATING AND RELEASING POINTS			
OPERATING FORCE		6-12 LBS	
FULL OVERTRAVEL FORCE		30 LB MAX	
RELEASE FORCE		4 LB MIN	
PRETRAVEL		.040 MAX	
DIFFERENTIAL TRAVEL		.020 MAX	
OVERTRAVEL		.125 MIN	
MOUNTING STRENGTH		15 IN-LBS	
ACTUATOR STRENGTH		30 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION	
LIFE:			
MECHANICAL LIFE		25,000 MIN PER MIL-PRF-8805/43 4	
ELECTRICAL LIFE AT FULL RATED LOAD		25,000 MIN PER MIL-PRF-8805/43 4	
ENVIRONMENTAL:			
TEMPERATURE RANGE			
OPERATIONAL:		-55° C TO +85° C	
STORAGE:		-55°C TO +132°C	
ALTITUDE RANGE		SEA LEVEL TO 50,000 FT	
SHOCK		PER MIL-PRF-8805 SYMBOL M-100g	
VIBRATION		PER MIL-PRF-8805 SYMBOL 2-10-2000 Hz & 15g PEAK	
MOISTURE RESISTANCE		PER MIL-PRF-8805 (10 DAY TEST)	
THERMAL SHOCK		PER MIL-PRF-8805 (5 CYCLE TEST)	
SALT SPRAY		PER MIL-PRF-8805 (96 HOUR TEST)	

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: NO PLACE X ±.040 ±1 ONE PLACE .X ±.030 ±0,4 TWO PLACE .XX ±.015 ±0,15 THREE PLACE .XXX ±.005 ± ANGLES ± RAW MATERIAL-COMMERCIAL STANDARD		<input checked="" type="checkbox"/> US (inch) CUSTOMARY	<input type="checkbox"/> SI (mm) METRIC	DRAWN	GJW	12JUN02	Honeywell		
		THIRD ANGLE PROJECTION		CHECK	SAV	12JUN02			
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DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED							SIZE	DWG TYPE	DRAWING NAME
2D PTC							C	I	602EN180-2B
ASME Y14.5M-1994							SCALE	FULL	WEIGHT
							SHEET	1	OF 1

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