


NOTES

1. CIRCUIT DIAGRAM AND CATALOG LISTING SHOWN ON NAMEPLATE
HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-PRF-8805
2X NUT: .812 ACROSS FLATS X .125 THICK (MS 21340-05)
INTERNAL TOOTH: $\varnothing .87 \times (.022)$ KEY
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. SWITCH RESISTANCE EQUALS SWITCH CONTACT RESISTANCE PLUS WIRE
LEAD LENGTH (OHMS/FT). SWITCH CONTACT RESISTANCE SHALL NOT
EXCEED .025 OHMS INITIALLY AND .040 OHMS AFTER MECHANICAL
ENDURANCE TEST. AFTER ELECTRICAL ENDURANCE, THE SWITCH
CONTACT RESISTANCE SHALL NOT EXCEED 1% OF THE LOAD IMPEDENCE
USING THE ELECTRICAL PARAMETERS OF THE ELECTRICAL ENDURANCE
TEST LOAD. WIRE LEAD RESISTANCE EQUALS 16.2 OHMS/1000 FT MAX
AT 20°C
6. CABLE PER M2750022SD3T23
7. CORROSION RESISTANT STAINLESS STEEL

		<div>M</div>		402EN506-8										
SPECIFICATION DETAILS:														
STANDARD:		SWITCH CONFORMS TO MS21321-1 EXCEPT AS NOTED												
CONSTRUCTION:														
ENCLOSURE DESIGN		RESILIENT SEAL PER MIL-PRF-8805, SYMBOL 4												
CONTACT MATERIAL & CONFIGURATION		PROJECTION SILVER CONTACTS WITH GOLD PLATE												
CIRCUIT CONFIGURATION		2X S P D T												
TERMINATION		<div>6</div>												
WEIGHT		4.0 OZ MAX												
EXPOSED METALS		<div>7</div>												
ELECTRICAL CHARACTERISTICS:														
MAXIMUM ELECTRICAL RATINGS		<table><tr><td>VOLTAGE</td><td>RESISTIVE</td><td>INDUCTIVE</td></tr><tr><td>-SEA LEVEL</td><td>7A</td><td>2.5A</td></tr><tr><td>-50,000 FT</td><td>7A</td><td>1.0A</td></tr></table>				VOLTAGE	RESISTIVE	INDUCTIVE	-SEA LEVEL	7A	2.5A	-50,000 FT	7A	1.0A
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DIELECTRIC STRENGTH & INSULATION RESISTANCE		<table><tr><td>DIELECTRIC STRENGTH (60 Hz FOR 5 SECONDS)</td><td>INSULATION RESISTANCE (500 VDC ±10%)</td></tr><tr><td>1000 V Rms, 500 μA (MAX LKG)</td><td>1000 MEGOHM MIN</td></tr><tr><td>,</td><td>,</td></tr><tr><td>,</td><td>,</td></tr></table>				DIELECTRIC STRENGTH (60 Hz FOR 5 SECONDS)	INSULATION RESISTANCE (500 VDC ±10%)	1000 V Rms, 500 μ A (MAX LKG)	1000 MEGOHM MIN	,	,	,	,	
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,	,													
-BETWEEN TERMINALS AND EXPOSED NON-CURRENT CARRYING METAL -BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS -BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE														
SWITCH RESISTANCE		<div>5</div>												
RECOMMENDATION FOR USE IN APPLICATIONS LESS THAN .5 amps AND/OR 12 volts		NO <div>3</div>												
MECHANICAL CHARACTERISTICS:														
CHARACTERISTICS:														
COINCIDENCE OF OPERATING AND RELEASING POINTS		6 - 12 LBS												
FULL OVERTRAVEL FORCE		30 LBS MAX												
RELEASE FORCE		4 LBS MIN												
PRETRAVEL		.040 MAX												
DIFFERENTIAL TRAVEL		.020 MAX												
OVERTRAVEL		.250 MIN												
MOUNTING STRENGTH		15 IN-LBS												
ACTUATOR STRENGTH		30 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION												
LIFE:														
MECHANICAL LIFE		PER MIL-PRF-8805/39 <div>4</div>												
ELECTRICAL LIFE		PER MIL-PRF-8805/39 <div>4</div>												
ENVIRONMENTAL:														
TEMPERATURE RANGE		-55° C TO +85° C												
ALTITUDE RANGE		SEA LEVEL TO 50,000 FEET												
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												
THERMAL SHOCK		PER MIL-PRF-8805												
SALT SPRAY		PER MIL-PRF-8805												

PTC/CAD 20		DRAWN		TSM	14JUL00	CHECK	SAV	4JUL00	CHECK	14JUL00	SW	200024	REV	A		REVISIONS		ISSUE	4	DRAWING NUMBER	M	402EN506-8		
																						PAGE	1 OF 1	
																							RELEASE NO. PP-23290	REPLACES

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FED. MFG. CODE 91929	CATALOG LISTING		TWO PLACE (.00) +.015
 MICRO SWITCH a Honeywell Division	SWITCH-ENCLOSED	402EN506-8	THREE PLACE (.000) +.005
			ANGLES +
			WEIGHT

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