



SPECIFICATIONS:

Materials:
 Case, Nylon 66, UL94HB, Black finish
 Cover, Stainless Steel
 Actuator, Nylon 66, UL94HB, Red Finish
 Moving contact, Copper Alloy, Silver finish
 Fixed contact/Terminal, Copper Alloy, Silver over Nickel finish

Electrical:
 Max Contact Rating, 50mA@ 24V DC, Per EIA-448, Method 6
 Min Contact Rating, 10microamp@1V DC
 Initial Contact resistance, 50 milliohms max, Per EIA-364-23B, each position
 Insulation Resistance, 1000 Megohm min. Per EIA-364-21C each position
 Dielectric strength, 500 V AC for 1 minute, Per EIA-364-20B, Condition 1, each position.
 Life Expectancy, 100,000 cycles

Mechanical:
 Actuation force, SEE P/N TABLE
 Actuation Travel, .25 +/- .10 mm
 Life Expectancy, 100,000 cycles min (2 cycles per second and 150% actuation force), Per EIA-448 Methods 8 and 9
 Vibration, Per EIA 364-28D, Condition VII, Level E
 Mechanical Shock, Per EIA-364-27C, Condition A

Environmental:
 Operating Temperature, -35 to +85 degrees C, Per EIA-448, Method 10
 Storage Temperature, -35 to +85 degrees C
 Humidity and Temperature Cycling Per EIA-364-31B, Method III
 Thermal Shock, Per EIA-364-32C, -35 to +85 degrees C
 Solderability, Per EIA-364-52, Class 2, Category 1, Temp, 245 degrees C max, Time, 2.5 seconds max, 95% Minimum coverage
 Resistance to Solder Heat, Per 109-202, Condition B
 No change in initial electrical and mechanical characteristics

NOTES:

- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003(ROHS).

CIRCUIT CHARACTERISTICS		
CONTACT POSITION		CIRCUIT DIAGRAM
OFF	(ON)	

RECOMMENDED HOLE LAYOUT

TOLERANCE ±.002 UNLESS OTHERWISE NOTED

260±50 GF	FSM91528F04	1977037-1
ACTUATION FORCE	ALCO PART NO.	TYCO PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. BROWN 13FEB2007	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK M. SARVER 13FEB2007	NAME TACT SWITCH, R/A, 6.0 mm, HIGH TEMP, FSM91528FH	RESTRICTED TO
0 PLC ± -	1 PLC ± -	APVD M. SARVER 13FEB2007	SIZE A1	00779
2 PLC ± -	3 PLC ± -	PRODUCT SPEC	CAGE CODE 1977037	SCALE 10:1
4 PLC ± -	ANGLES ± -	APPLICATION SPEC	DRAWING NO 1977037	SHEET 1 OF 1
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING	REV B