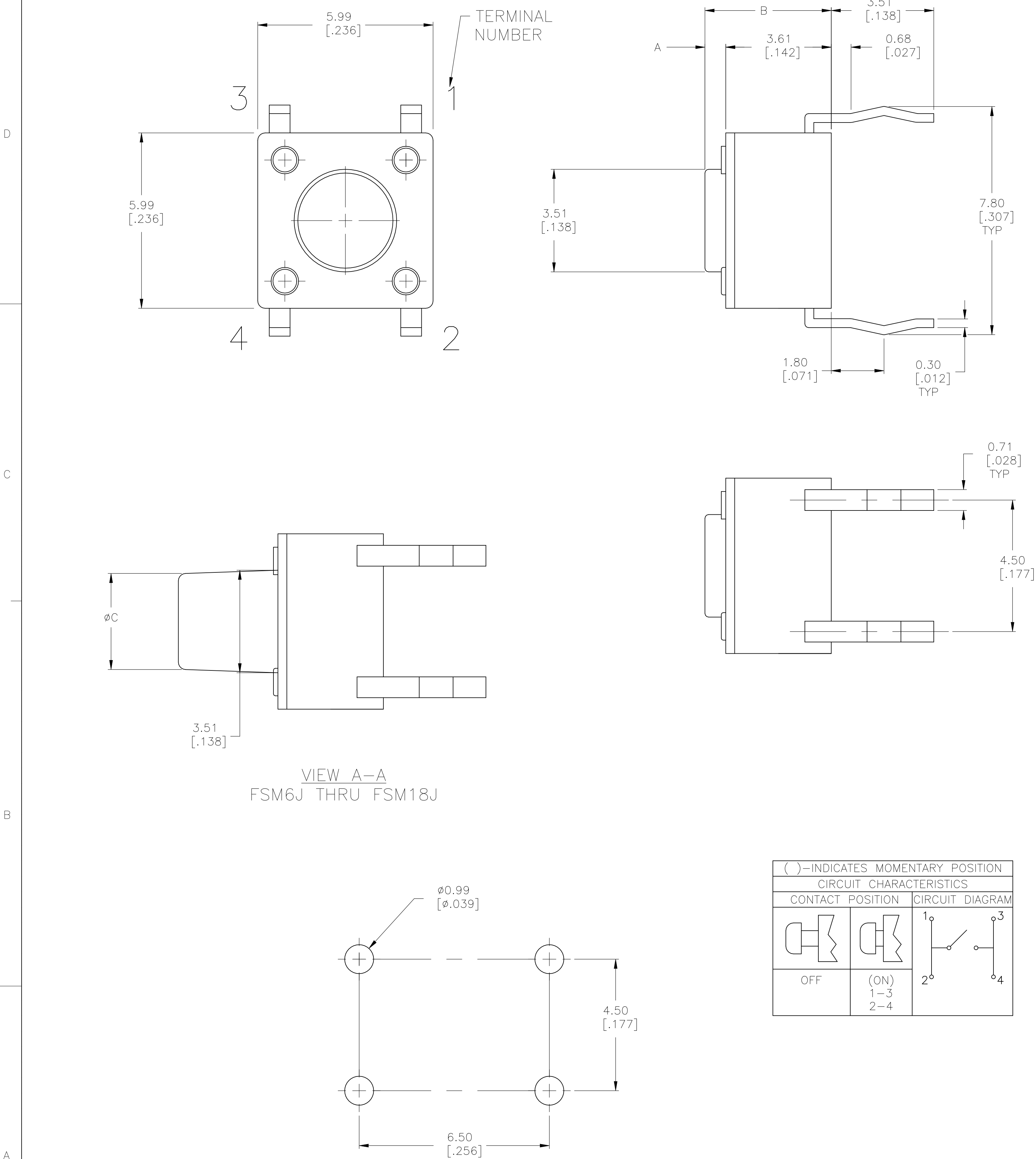


SPECIFICATIONS:

MATERIALS:
CASE: PA66 UL94HB

ACTUATOR: PA66 UL94HB, SEE P/N TABLE

COVER: PET.

MOVING CONTACT: STAINLESS STEELAg clad

FIXED CONTACT/TERMINAL: BRASS Ag Plating

ELECTRICAL:

MAX CONTACT RATING: 50 MILLIAMPS@24V DC (FSM14JHS/FSM16JLHS: 50 MILLUAMPS@12V DC).

MIN CONTACT RATING: 10 MICROAMPS@1V DC (FSM14JHS/FSM16JLHS: 10 MILLIAMPS@5V DC).

INITIAL CONTACT RESISTANCE: 100 MILLIOHM MAX. (FSM14JHS/FSM16JLHS: 50 MILLIOHM MAX.)

INSULATION RESISTANCE: 100 MEGAOHM MIN. @100V DC.

DIELECTRIC STRENGTH: 500V AC FOR 1 MINUTE (FSM14JHS/FSM16JLHS:250V AC).

LIFE EXPECTANCY: 100,000 CYCLES MIN. (2CYCLES PER SECOND THE 150% ACTUATION FORCE).

EXCEPT FOR THE 520GF MODEL WHICH WOULD BE 50,000 CYCLES MIN.

MECHANICAL:

ACTUATION FORCE: SEE TABLE

ACTUATION TRAVEL: 0.010^{+0.008}_{-0.004} (FSM14JHS/FSM16JLHS:0.25±0.1mm)

ENVIRONMENTAL:

OPERATING TEMPERATURE: -40°C TO +105°C (FSM14JHS/FSM16JLHS: -20 TO +70°C)

STORAGE TEMPERATURE: -40°C TO +105°C (FSM14JHS/FSM16JLHS: -30 TO +80°C)

THERMAL SHOCK: PER EIA-364-32C,-35 TO +85°C (FSM14JHS/FSM16JLHS: -10 TO +65°C)

RESISTANCE TO SOLDER HEAT: PER 109-202, CONDITION B (FSM14JHS/FSM16JLHS: 260°C,10 sec max)

SOLDERABILITY: PER EIA-364-52, CLASS2, CATEGORY 1,CATEGORY 2, 95% MINIMUM COVERAGE

(SOLDERABILITY ONLY FOR FSM14JHS/FSM16JLHS):

automatic:- Preheat: 150°C-175°C, 40-80sec

Peak temp:260°C max,

Soldering area temp: 260c,1-4sec, 2 times max

Manual-Soldering temp: less than 350'c, within 3 sec

NOTES:

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

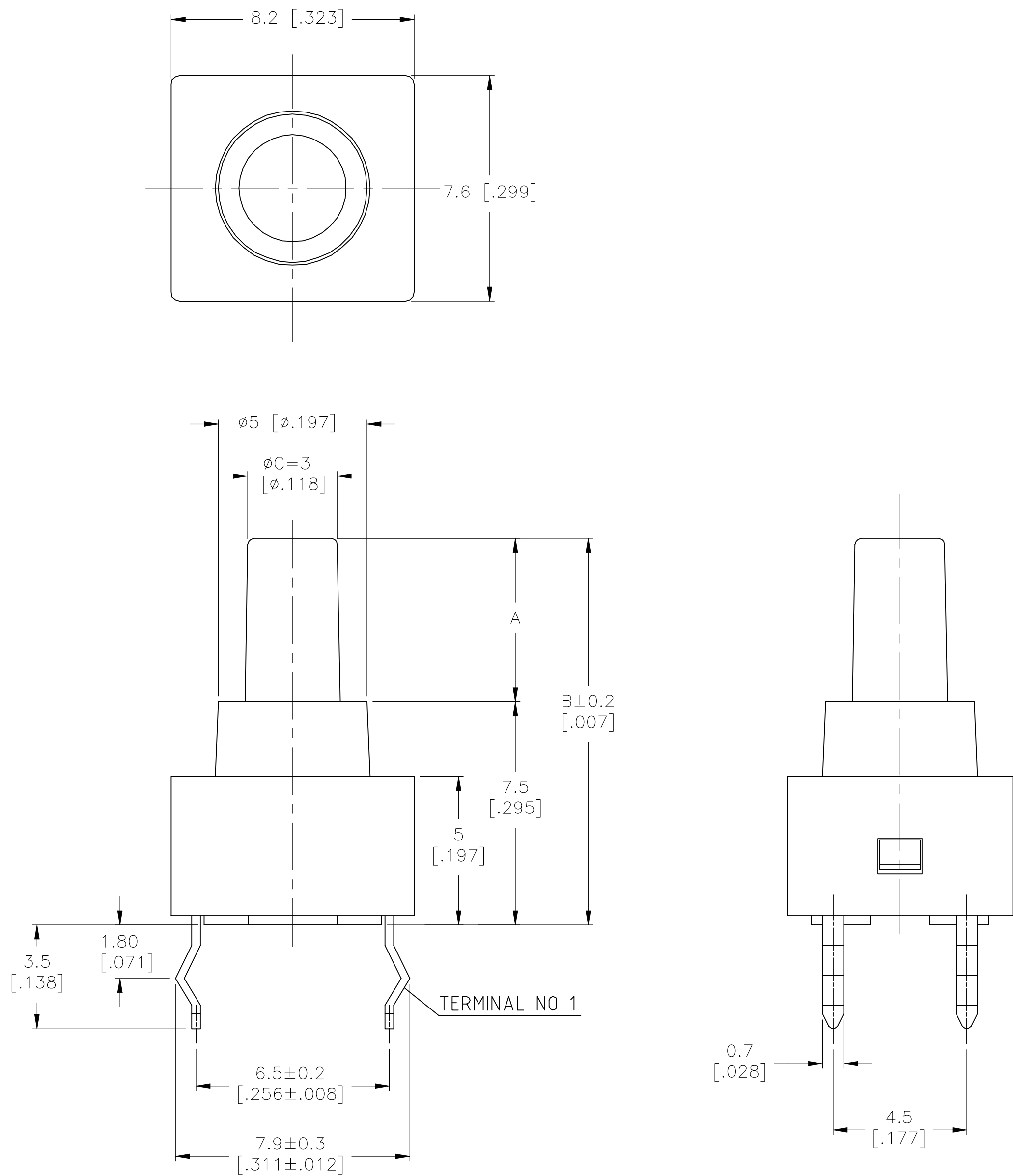
2. A REINFORCE COLLAR IS RECOMENDED FOR APPLICATIONS WITH INCRASD AXIAL LOAD. PLEASE REFERENCE FIGURE

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APD
	D	ECR-22-150265	10oct2022	GSK	DM

	PA66	BLACK	160 +/-50 GF	See page #2	13.5 (0.531)	6 (0.236)	FSM16JLHS	4-1825910-2
	PA66	BLACK	160 +/-50 GF	See page #2	9.5 (0.374)	2 (0.079)	FSM14JHS	4-1825910-1
	NYLON 6/6	BROWN	100 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM6JLHTB	3-1825910-9
OBSOLETE	PBT	BROWN	100 +/-50 GF	N/A	5.00 (.196)	1.40 (.055)	FSM4JLHTB	3-1825910-8
OBSOLETE	NYLON 6/6	YELLOW	520 +/-100 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM18JAAH	3-1825910-7
OBSOLETE	NYLON 6/6	RED	260 +/-50 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM18JAH	3-1825910-6
	NYLON 6/6	BLACK	160 +/-50 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM18JH	3-1825910-5
OBSOLETE	NYLON 6/6	BROWN	100 +/-50 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM18JLH	3-1825910-4
	NYLON 6/6	YELLOW	520 +/-100 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM16JAAH	3-1825910-3
	NYLON 6/6	RED	260 +/-50 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM16JAH	3-1825910-2
	NYLON 6/6	BLACK	160 +/-50 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM16JH	3-1825910-1
OBSOLETE	NYLON 6/6	BROWN	100 +/-50 GF	2.80 (.110)	17.00 (.669)	13.40 (.527)	FSM16JLH	3-1825910-0
	NYLON 6/6	YELLOW	520 +/-100 GF	2.87 (.113)	13.00 (.512)	9.40 (.370)	FSM14JAAH	2-1825910-9
	NYLON 6/6	RED	260 +/-50 GF	2.87 (.113)	13.00 (.512)	9.40 (.370)	FSM14JAH	2-1825910-8
	NYLON 6/6	BLACK	160 +/-50 GF	2.87 (.113)	13.00 (.512)	9.40 (.370)	FSM14JH	2-1825910-7
	NYLON 6/6	BROWN	100 +/-50 GF	2.87 (.113)	13.00 (.512)	9.40 (.370)	FSM14JLH	2-1825910-6
OBSOLETE	NYLON 6/6	YELLOW	520 +/-100 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JAAH	2-1825910-5
OBSOLETE	NYLON 6/6	BLACK	260 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JABH	2-1825910-4
OBSOLETE	NYLON 6/6	RED	260 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JAH	2-1825910-3
	NYLON 6/6	WHITE	160 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JH	2-1825910-2
OBSOLETE	NYLON 6/6	BROWN	100 +/-50 GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JLH	2-1825910-1
OBSOLETE	NYLON 6/6	YELLOW	520 +/-100 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM10JAAH	2-1825910-0
	NYLON 6/6	RED	260 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM10JAH	1-1825910-9
	NYLON 6/6	IVORY	160 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM10JH	1-1825910-8
OBSOLETE	NYLON 6/6	BROWN	100 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM10JLH	1-1825910-7
OBSOLETE	PBT	YELLOW	520 +/-100 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM8JAAH	1-1825910-6
	PBT	RED	260 +/-50 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM8JAH	1-1825910-5
	PBT	BLACK	160 +/-50 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM8JH	1-1825910-4
	PBT	BROWN	100 +/-50 GF	3.10 (.122)	9.50 (.374)	5.90 (.232)	FSM8JLH	1-1825910-3
	NYLON 6/6	YELLOW	520 +/-100 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM6JAAH	1-1825910-2
	NYLON 6/6	RED	260 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM6JAH	1-1825910-1
	NYLON 6/6	BLUE	160 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM6JH	1-1825910-0
	NYLON 6/6	BROWN	100 +/-50 GF	3.30 (.130)	7.00 (.276)	3.40 (.134)	FSM6JLH	1825910-9
	PBT	YELLOW	520 +/-100 GF	N/A	5.00 (.196)	1.40 (.055)	FSM4JAAH	1825910-8
	PBT	RED	260 +/-50 GF	N/A	5.00 (.196)	1.40 (.055)	FSM4JAH	1825910-7
	PBT	BLACK	160 +/-50 GF	N/A	5.00 (.196)	1.40 (.055)	FSM4JH	1825910-6
OBSOLETE	PBT	BROWN	100 +/-50 GF	N/A	5.00 (.196)	1.40 (.055)	FSM4JLH	1825910-5
OBSOLETE	PBT	YELLOW	520 +/-100 GF	N/A	4.30 (.169)	0.70 (.028)	FSM2JAAH	1825910-4
	PBT	RED	260 +/-50 GF	N/A	4.30 (.169)	0.70 (.028)	FSM2JAH	1825910-3
	PBT	NATURAL	160 +/-50 GF	N/A	4.30 (.169)	0.70 (.028)	FSM2JH	1825910-2
	PBT	BROWN	100 +/-50 GF	N/A	4.30 (.169)	0.70 (.028)	FSM2JLH	1825910-1

ACTUATOR MAT'L	ACTUATOR COLOR	ACTUATION FORCE	DIM C	DIM B	DIM A	ALCO P/N	P/N
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWG. M.BINNER	07NOV06	 TE Connectivity		
			CHK. M.SARVER	07NOV06			
DIMENSIONS:			TOLERANCES UNLESS OTHERWISE SPECIFIED:	APPROV. M.SARVER	07NOV06	NAME 6MM TACT SWITCH, THRU-HOLE HIGH TEMP	
mm [INCHES]				PRODUCT SPEC			
			0. PLC ± -	—	SIZE CASE CODE DRAWING NO A1 100779 C-1825910		RESTRICTED TO —
			1. PLC ± -	—			
			2. PLC ± 0.30 [0.12]	—			
			3. PLC ± -	—			
			4. PLC ± -	—			
			ANGLES	—			
MATERIAL: SEE SPECIFICATIONS			FINISH —	WEIGHT			
CUSTOMER DRAWING				SCALE 12:1		SHEET 1 OF 2	REV D

FIGURE 2. HIGHER PERFORMANCE SWITCH WITH COLLAR
FOR APPLICATIONS WITH GREATER AXIAL FORCE (4-1825910-1 & 4-1825910-2)



REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER CHK M. SARVER APVD M. SARVER	07NOV06 07NOV06 07NOV06	TE Connectivity	
DIMENSIONS: mm (INCHES)	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	NAME		
	0. PLC ± - 1. PLC ± - 2. PLC ± 0.30 [.012] 3. PLC ± - 4. PLC ± - ANGLES ± -	APPLICATION SPEC	SIZE A1	CAGE CODE 00779	DRAWING NO 1825910
MATERIAL SEE SPECIFICATIONS	FINISH -	WEIGHT	CUSTOMER DRAWING		RESTRICTED TO -
			SCALE 8:1	SHEET 2	OF 2
			REV D		