

CASE: NYLON 6/6, BLACK  
 FRAME/BRAKETS: STEEL, TIN OVER NICKEL  
 ACTUATOR BUTTON: PBT OR NYLON 6/6 (SEE TABLE), UL94HB, COLOR SEE TABLE  
 MOVING CONTACT: COPPER ALLOY, SILVER PLATE  
 FIXED CONTACT/TERMINALS: COPPER ALLOY, SILVER OVER NICKEL PLATE

ELECTRICAL:  
 MAX CONTACT RATING: 50MILLIAMPS@24V DC  
 MIN CONTACT RATING: 10MICROAMPS@1V DC  
 INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX  
 INSULATION RESISTANCE: 100 MEGOHMS @ 100 VDC MIN.  
 DIELECTRIC STRENGTH: 500 VAC 50/60 Hz FOR 1 MINUTE  
 LIFE EXPECTANCY: 100,000 CYCLES

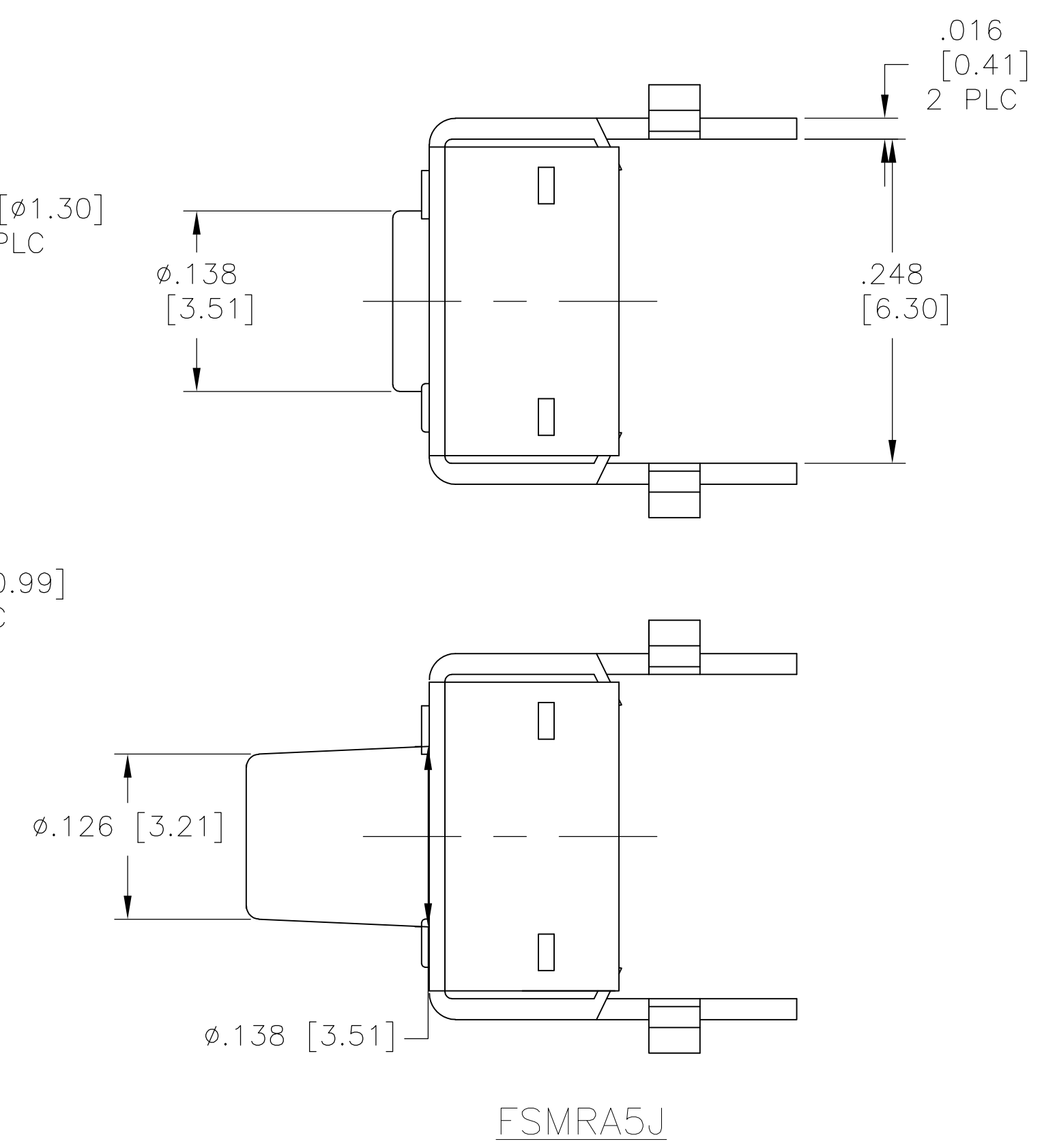
MECHANICAL:  
 ACTUATION FORCE: SEE TABLE  
 ACTUATION TRAVEL: 0.25±0.10 [.010±.004]

ENVIRONMENTAL:  
 OPERATING TEMPERATURE: -35°C TO +85°C  
 STORAGE TEMPERATURE: -35°C TO +85°C  
 SOLDER HEAT RESISTANCE PER 109-201 COND B  
 SOLDERABILITY PER EIA-364-52 CLASS 1, CATEGORY 2

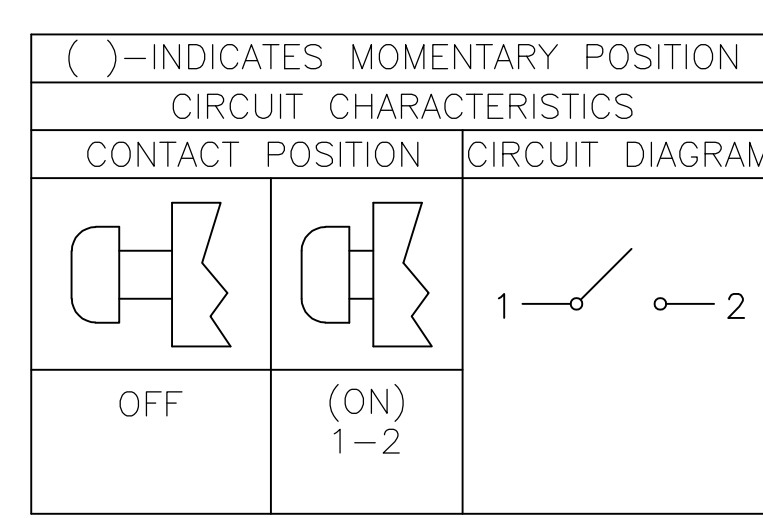
△ ALL MATERIALS AND FINISHES SHALL COMPLY WITH EH DIRECTIVE 2002/95/EC OF 27 JAN 2003 (ROHS)

| MATERIAL  | COLOR | ACTUATION FORCE | DIM L        | DIM A        | ALCO PIN  | TE PIN      |
|-----------|-------|-----------------|--------------|--------------|-----------|-------------|
| NYLON 6/6 | RED   | 260 +/-50 GF    | .624 (15.85) | .522 (13.25) | FSMRA8JHA | 2-1825027-4 |
| NYLON 6/6 | BLACK | 160 +/-50 GF    | .624 (15.85) | .522 (13.25) | FSMRA8JH  | 2-1825027-3 |
| NYLON 6/6 | BROWN | 100 +/-30 GF    | .624 (15.85) | .522 (13.25) | FSMRA8JHL | 2-1825027-2 |
| NYLON 6/6 | RED   | 260 +/-50 GF    | .467 (11.85) | .364 (9.24)  | FSMRA7JHA | 2-1825027-1 |
| NYLON 6/6 | BLACK | 160 +/-50 GF    | .467 (11.85) | .364 (9.24)  | FSMRA7JH  | 2-1825027-0 |
| NYLON 6/6 | BROWN | 100 +/-30 GF    | .467 (11.85) | .364 (9.24)  | FSMRA7JHL | 1-1825027-9 |
| NYLON 6/6 | RED   | 260 +/-50 GF    | .270 (6.85)  | .167 (4.24)  | FSMRA6JHA | 1-1825027-8 |
| NYLON 6/6 | WHITE | 160 +/-50 GF    | .270 (6.85)  | .167 (4.24)  | FSMRA6JH  | 1-1825027-7 |
| NYLON 6/6 | BROWN | 100 +/-30 GF    | .270 (6.85)  | .167 (4.24)  | FSMRA6JHL | 1-1825027-6 |
| NYLON 6/6 | RED   | 260 +/-50 GF    | .242 (6.15)  | .140 (3.55)  | FSMRA5JHA | 1-1825027-5 |
| NYLON 6/6 | IVORY | 160 +/-50 GF    | .242 (6.15)  | .140 (3.55)  | FSMRA5JH  | 1-1825027-4 |
| NYLON 6/6 | BROWN | 100 +/-30 GF    | .242 (6.15)  | .140 (3.55)  | FSMRA5JHL | 1-1825027-3 |
| PBT       | RED   | 260 +/-50 GF    | .329 (8.35)  | .226 (5.74)  | FSMRA4JHA | 1-1825027-2 |
| PBT       | BLACK | 160 +/-50 GF    | .329 (8.35)  | .226 (5.74)  | FSMRA4JH  | 1-1825027-1 |
| PBT       | BROWN | 100 +/-30 GF    | .329 (8.35)  | .226 (5.74)  | FSMRA4JHL | 1-1825027-0 |
| NYLON 6/6 | RED   | 260 +/-50 GF    | .230 (5.85)  | .128 (3.25)  | FSMRA3JHA | 1825027-9   |
| NYLON 6/6 | BLUE  | 160 +/-50 GF    | .230 (5.85)  | .128 (3.25)  | FSMRA3JH  | 1825027-8   |
| NYLON 6/6 | BROWN | 100 +/-30 GF    | .230 (5.85)  | .128 (3.25)  | FSMRA3JHL | 1825027-7   |
| PBT       | RED   | 260 +/-50 GF    | .152 (3.86)  | .049 (1.24)  | FSMRA2JHA | 1825027-6   |
| PBT       | BLACK | 160 +/-50 GF    | .152 (3.86)  | .049 (1.24)  | FSMRA2JH  | 1825027-5   |
| PBT       | BROWN | 100 +/-30 GF    | .152 (3.86)  | .049 (1.24)  | FSMRA2JHL | 1825027-4   |
| PBT       | RED   | 260 +/-50 GF    | .124 (3.15)  | .022 (0.56)  | FSMRA1JHA | 1825027-3   |
| PBT       | BLACK | 160 +/-50 GF    | .124 (3.15)  | .022 (0.56)  | FSMRA1JH  | 1825027-2   |
| PBT       | BROWN | 100 +/-30 GF    | .124 (3.15)  | .022 (0.56)  | FSMRA1JHL | 1825027-1   |

RECOMMENDED HOLE LAYOUT  
 TOLERANCE ±.002 UNLESS OTHERWISE NOTED



FSMRA5J



THIS DRAWING IS A CONTROLLED DOCUMENT. DIM: M. BINNER 260CT04. CHK: M. SARVER 260CT04. TYPED: M. SARVER 260CT04. NAME: MICRO-MINIATURE PUSHBUTTON SWITCH. SIZE: A1. SCALE: 10:1. SHEET: 1 OF 1. REV: F.