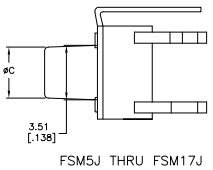
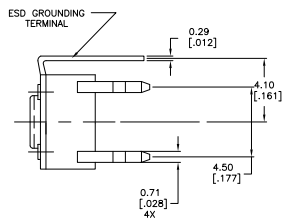


RECOMMENDED HOLE LAYOUT
 TOLERANCE ±.002
 UNLESS OTHERWISE NOTED



FSM5J THRU FSM17J

| CIRCUIT CHARACTERISTICS | |
|-------------------------|-----------------|
| CONTACT POSITION | CIRCUIT DIAGRAM |
| OFF | |
| (ON) 1-3 2-4 | |

Specifications:

Materials:
 CASE: NYLON 66 UL94HB, 30% GF-BLACK
 ACTUATOR: PBT OR NYLON 66, UL94HB
 COVER: STEEL-TIN PLATE
 MOVING CONTACT: COPPER ALLOY-SILVER PLATE
 FIXED CONTACT/TERMINAL: COPPER ALLOY-SILVER OVER NICKEL PLATE

Electrical:
 Max Contact Rating: 50 milliamp@ 24V DC
 Min Contact Rating: 10 microamp@1V DC
 Initial Contact resistance: 100 milliohms max
 Insulation Resistance: 100 Megohm min. @ 100V DC
 Dielectric strength: 500 V AC for 1 minute
 Life Expectancy: 100,000 cycles min (2 cycles per second and 150% actuation force)

Mechanical:
 Actuation force, See Table
 Actuation Travel, .010 +.008/-0.004
 Life Expectancy, 100,000 cycles min (2 cycles per second and 150% actuation force)

Environmental:
 Operating Temperature, -35 to +85 degrees C
 Storage Temperature, -35 to +85 degrees C
 Thermal Shock, Per EIA-364-32C, -35 to +85 degrees C
 Solderability, Per EIA-364-52, Class 2, Category 1, Category 2, 95% Minimum coverage
 Resistance to Solder Heat, Per 109-202, Condition B

Notes:
 1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
 2 PACKAGED IN TRAY

| ACTUATOR MAT'L | ACTUATOR COLOR | ACTUATOR FORCE | DIM C | DIM B | DIM A | MALCO P/N | P/N |
|----------------|----------------|----------------|-------------|--------------|--------------|-----------|-------------|
| PBT | BLACK | 160 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM3JHTR | 3-1825955-7 |
| NYLON 6/6 | YELLOW | 520 +/-100 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM17JAAH | 3-1825955-6 |
| NYLON 6/6 | WHITE | 260 +/-50 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM17JAH | 3-1825955-5 |
| NYLON 6/6 | BLACK | 160 +/-50 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM17JH | 3-1825955-4 |
| NYLON 6/6 | BROWN | 100 +/-50 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM17JLH | 3-1825955-3 |
| NYLON 6/6 | YELLOW | 520 +/-100 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM15JAAH | 3-1825955-2 |
| NYLON 6/6 | WHITE | 260 +/-50 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM15JAH | 3-1825955-1 |
| NYLON 6/6 | BLACK | 160 +/-50 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM15JH | 3-1825955-0 |
| NYLON 6/6 | BROWN | 100 +/-50 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM15JLH | 2-1825955-9 |
| NYLON 6/6 | YELLOW | 520 +/-100 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM13JAAH | 2-1825955-8 |
| NYLON 6/6 | WHITE | 260 +/-50 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM13JAH | 2-1825955-7 |
| NYLON 6/6 | BLACK | 160 +/-50 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM13JH | 2-1825955-6 |
| NYLON 6/6 | BROWN | 100 +/-50 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM13JLH | 2-1825955-5 |
| NYLON 6/6 | YELLOW | 520 +/-100 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM11JAAH | 2-1825955-4 |
| NYLON 6/6 | WHITE | 260 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM11JAH | 2-1825955-3 |
| NYLON 6/6 | BLACK | 160 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM11JH | 2-1825955-2 |
| NYLON 6/6 | BROWN | 100 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM11JLH | 2-1825955-1 |
| NYLON 6/6 | YELLOW | 520 +/-100 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM9JAAH | 2-1825955-0 |
| NYLON 6/6 | WHITE | 260 +/-50 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM9JAH | 1-1825955-9 |
| NYLON 6/6 | BLACK | 160 +/-50 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM9JH | 1-1825955-8 |
| NYLON 6/6 | BROWN | 100 +/-50 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM9JLH | 1-1825955-7 |
| PBT | YELLOW | 520 +/-100 GF | 3.10 (.122) | 9.50 (.374) | 5.90 (.232) | FSM7JAAH | 1-1825955-6 |
| PBT | WHITE | 260 +/-50 GF | 3.10 (.122) | 9.50 (.374) | 5.90 (.232) | FSM7JAH | 1-1825955-5 |
| PBT | BLACK | 160 +/-50 GF | 3.10 (.122) | 9.50 (.374) | 5.90 (.232) | FSM7JH | 1-1825955-4 |
| PBT | BROWN | 100 +/-50 GF | 3.10 (.122) | 9.50 (.374) | 5.90 (.232) | FSM7JLH | 1-1825955-3 |
| NYLON 6/6 | YELLOW | 520 +/-100 GF | 3.30 (.130) | 7.00 (.276) | 3.40 (.134) | FSM5JAAH | 1-1825955-2 |
| NYLON 6/6 | WHITE | 260 +/-50 GF | 3.30 (.130) | 7.00 (.276) | 3.40 (.134) | FSM5JAH | 1-1825955-1 |
| NYLON 6/6 | BLUE | 160 +/-50 GF | 3.30 (.130) | 7.00 (.276) | 3.40 (.134) | FSM5JH | 1-1825955-0 |
| NYLON 6/6 | BROWN | 100 +/-50 GF | 3.30 (.130) | 7.00 (.276) | 3.40 (.134) | FSM5JLH | 1825955-9 |
| PBT | YELLOW | 520 +/-100 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM3JAAH | 1825955-8 |
| PBT | WHITE | 260 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM3JAH | 1825955-7 |
| PBT | BLACK | 160 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM3JH | 1825955-6 |
| PBT | BROWN | 100 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM3JLH | 1825955-5 |
| PBT | YELLOW | 520 +/-100 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM1JAAH | 1825955-4 |
| PBT | WHITE | 260 +/-50 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM1JAH | 1825955-3 |
| PBT | BLACK | 160 +/-50 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM1JH | 1825955-2 |
| PBT | BROWN | 100 +/-50 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM1JLH | 1825955-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT. THE ORIGINAL SHALL BE KEPT IN THE ORIGINAL DRAWING FILE.

TE Connectivity

GMW TACT SWITCH THRU-HOLE W/ESD

DATE: 00779 (G) 1825955

CUSTOMER DRAWING