

| LOC |  | DIST |  | REVISIONS |     |               |           |     |      |
|-----|--|------|--|-----------|-----|---------------|-----------|-----|------|
| AD  |  | 00   |  | P         | LTR | DESCRIPTION   | DATE      | DWN | APVD |
|     |  |      |  |           | A   | ECO-07-022792 | 07NOV2007 | MB  | MS   |

SPECIFICATIONS:

MATERIALS:  
CASE, PPS, UL94 V-0, BROWN  
ACTUATOR, NYLON, UL94V-0, SEE P/N TABLE FOR FINISH  
COVER, STEEL, TIN FINISH  
TERMINAL/FIXED CONTACT, COPPER ALLOY-SILVER FINISH  
MOVING CONTACT, STAINLESS STEEL-SILVER FINISH

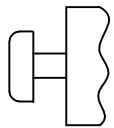
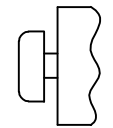
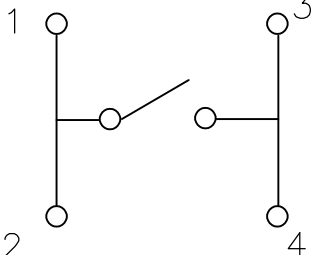
ELECTRICAL:  
MAX CONTACT RATING, 50MILLIAMPER@24V DC  
MIN CONTACT RATING, 1MICROAMPER@1V DC  
CONTACT RESISTANCE, 100 MILLIOHMS MAX  
INSULATION RESISTANCE, 100 MEGOHM MIN.  
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE  
LIFE EXPECTANCY, 1,000,000 CYCLES

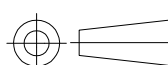
MECHANICAL:  
ACTUATION FORCE, SEE P/N TABLE  
ACTUATION TRAVEL, 0.25 +0.20/-0.10  
LIFE EXPECTANCY, 1,000,000,  
(2 CYCLES PER SECOND AND 150% ACTUATION FORCE)

ENVIRONMENTAL:  
OPERATING TEMPERATURE, -40 TO +105° C  
STORAGE TEMPERATURE, -40 TO +105° C  
SOLDERABILITY, EIA-RS-186-9E, OR MIL-STD-202F  
RESISTANCE TO SOLDER HEAT, 260° C FOR 10SEC-PER 109-201, COND B  
1. NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS

NOTES:

1. TAPE AND REEL PACKAGING PER EIA 481.
2. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

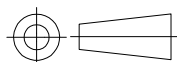
| ( )-INDICATES MOMENTARY POSITION                                                      |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CIRCUIT CHARACTERISTICS                                                               |                                                                                       |                                                                                       |
| CONTACT POSITION                                                                      | CIRCUIT DIAGRAM                                                                       |                                                                                       |
|  |  |  |
| OFF                                                                                   | (ON)<br>1 - 3<br>2 - 4                                                                |                                                                                       |

|                                                                                       |                                        |                              |                             |                                                                                                                                                 |                                                                   |           |  |            |  |               |  |        |  |     |  |   |  |
|---------------------------------------------------------------------------------------|----------------------------------------|------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------|--|------------|--|---------------|--|--------|--|-----|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                        | DWN<br>M.BINNER<br>07NOV2007 |                             |  Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |                                                                   |           |  |            |  |               |  |        |  |     |  |   |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |                                        | CHK<br>M.SARVER<br>07NOV07   |                             |                                                                                                                                                 |                                                                   |           |  |            |  |               |  |        |  |     |  |   |  |
|  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |                              | APVD<br>M.SARVER<br>07NOV07 |                                                                                                                                                 | NAME<br><br>MICRO MINIATURE PUSHBUTTON<br>SWITCH FSM JSM<br><br>— |           |  |            |  |               |  |        |  |     |  |   |  |
|                                                                                       | 0 PLC ± —                              |                              | PRODUCT SPEC                |                                                                                                                                                 |                                                                   |           |  |            |  |               |  |        |  |     |  |   |  |
|                                                                                       | 1 PLC ± —                              |                              | —                           |                                                                                                                                                 |                                                                   |           |  |            |  |               |  |        |  |     |  |   |  |
|                                                                                       | 2 PLC ± 0.30[.012]                     |                              | APPLICATION SPEC            |                                                                                                                                                 |                                                                   |           |  |            |  |               |  |        |  |     |  |   |  |
| 3 PLC ± —                                                                             |                                        | —                            |                             | SIZE                                                                                                                                            |                                                                   | CAGE CODE |  | DRAWING NO |  | RESTRICTED TO |  |        |  |     |  |   |  |
| 4 PLC ± —                                                                             |                                        | —                            |                             | A2                                                                                                                                              |                                                                   | 00779     |  | C=1977223  |  |               |  |        |  |     |  |   |  |
| MATERIAL                                                                              |                                        | FINISH                       |                             | WEIGHT                                                                                                                                          |                                                                   | —         |  | —          |  | —             |  |        |  |     |  |   |  |
| —                                                                                     |                                        | —                            |                             | CUSTOMER DRAWING                                                                                                                                |                                                                   | SCALE     |  | 8:1        |  | SHEET         |  | 1 OF 2 |  | REV |  | A |  |

|                                                        |  |  |                          |  |  |                           |  |  |
|--------------------------------------------------------|--|--|--------------------------|--|--|---------------------------|--|--|
| THIS DRAWING IS UNPUBLISHED.                           |  |  | RELEASED FOR PUBLICATION |  |  | 2-1437565-7 , 2-1437565-7 |  |  |
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|     |  |      |  |           |     |             |  |      |     |      |
|-----|--|------|--|-----------|-----|-------------|--|------|-----|------|
| LOC |  | DIST |  | REVISIONS |     |             |  |      |     |      |
| AD  |  | 00   |  | P         | LTR | DESCRIPTION |  | DATE | DWN | APVD |
|     |  |      |  |           | -   | SEE SHEET 1 |  | -    | -   | -    |

|            |                |                   |                 |       |            |                       |                      |              |             |         |          |
|------------|----------------|-------------------|-----------------|-------|------------|-----------------------|----------------------|--------------|-------------|---------|----------|
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         |       |            | 13.00±0.10[.512±.010] | 9.40±0.10[.370±.004] | FSM14JSMAAS  | 2-1977223-9 |         |          |
| 1,000,000  | GREEN          | Nylon             | 260±50g         |       |            | 13.00±0.10[.512±.010] | 9.40±0.10[.370±.004] | FSM14JSMAS   | 2-1977223-8 |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         |       |            | 13.00±0.10[.512±.010] | 9.40±0.10[.370±.004] | FSM14JSMLS   | 2-1977223-7 |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         | 12 MM | 24 MM      | 9.50±0.10[.374±.004]  | 5.89±0.10[.232±.004] | FSM8JSMAASTR | 2-1977223-6 |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         |       |            | 9.50±0.10[.374±.004]  | 5.89±0.10[.232±.004] | FSM8JSMAAS   | 2-1977223-5 |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         | 12 MM | 24 MM      | 9.50±0.10[.374±.004]  | 5.89±0.10[.232±.004] | FSM8JSMASTR  | 2-1977223-4 |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         |       |            | 9.50±0.10[.374±.004]  | 5.89±0.10[.232±.004] | FSM8JSMAS    | 2-1977223-3 |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         | 12 MM | 24 MM      | 9.50±0.10[.374±.004]  | 5.89±0.10[.232±.004] | FSM8JSMLSTR  | 2-1977223-2 |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         |       |            | 9.50±0.10[.374±.004]  | 5.89±0.10[.232±.004] | FSM8JSMLS    | 2-1977223-1 |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         | 12 MM | 24 MM      | 7.01±0.10[.276±.004]  | 3.40±0.10[.134±.004] | FSM6JSMAASTR | 2-1977223-0 |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         |       |            | 7.01±0.10[.276±.004]  | 3.40±0.10[.134±.004] | FSM6JSMAAS   | 1-1977223-9 |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         | 12 MM | 24 MM      | 7.01±0.10[.276±.004]  | 3.40±0.10[.134±.004] | FSM6JSMASTR  | 1-1977223-8 |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         |       |            | 7.01±0.10[.276±.004]  | 3.40±0.10[.134±.004] | FSM6JSMAS    | 1-1977223-7 |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         | 12 MM | 24 MM      | 7.01±0.10[.276±.004]  | 3.40±0.10[.134±.004] | FSM6JSMLSTR  | 1-1977223-6 |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         |       |            | 7.01±0.10[.276±.004]  | 3.40±0.10[.134±.004] | FSM6JSMLS    | 1-1977223-5 |         |          |
| 1,000,000  | VIOLET         | Nylon             | 70±30g          | 12 MM | 16 MM      | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMXLSTR | 1-1977223-4 |         |          |
| 1,000,000  | VIOLET         | Nylon             | 70±30g          |       |            | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMXLS   | 1-1977223-3 |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         | 12 MM | 16 MM      | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMAASTR | 1-1977223-2 |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         |       |            | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMAAS   | 1-1977223-1 |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         | 12 MM | 16 MM      | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMASTR  | 1-1977223-0 |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         |       |            | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMAS    | 1977223-9   |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         | 12 MM | 16 MM      | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMLSTR  | 1977223-8   |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         |       |            | 4.98±0.25[.196±.010]  | 1.40±0.10[.055±.004] | FSM4JSMLS    | 1977223-7   |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         | 12 MM | 16 MM      | 4.29±0.15[.169±.006]  | 0.71±0.10[.028±.004] | FSM2JSMAASTR | 1977223-6   |         |          |
| 1,000,000  | DEEP PINK      | Nylon             | 260±50g         |       |            | 4.29±0.15[.169±.006]  | 0.71±0.10[.028±.004] | FSM2JSMAAS   | 1977223-5   |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         | 12 MM | 16 MM      | 4.29±0.15[.169±.006]  | 0.71±0.10[.028±.004] | FSM2JSMASTR  | 1977223-4   |         |          |
| 1,000,000  | GREEN          | Nylon             | 160±50g         |       |            | 4.29±0.15[.169±.006]  | 0.71±0.10[.028±.004] | FSM2JSMAS    | 1977223-3   |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         | 12 MM | 16 MM      | 4.29±0.15[.169±.006]  | 0.71±0.10[.028±.004] | FSM2JSMLSTR  | 1977223-2   |         |          |
| 1,000,000  | BLUE           | Nylon             | 100±30g         |       |            | 4.29±0.15[.169±.006]  | 0.71±0.10[.028±.004] | FSM2JSMLS    | 1977223-1   |         |          |
| Life Cycle | Actuator Color | Actuator Material | Actuation Force | PITCH | TAPE WIDTH | DIM B                 |                      | DIM A        |             | T&B P/N | Tyco P/N |

|                                                                                       |  |  |  |                        |  |                                                                         |  |                  |  |  |  |
|---------------------------------------------------------------------------------------|--|--|--|------------------------|--|-------------------------------------------------------------------------|--|------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |  |  | DWN M.BINNER 07NOV2007 |  | Tyco Electronics Tyco Electronics Corporation Harrisburg, Pa 17105-3608 |  |                  |  |  |  |
| DIMENSIONS: mm [INCHES]                                                               |  |  |  | CHK M.SARVER 07NOV07   |  | NAME MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM                          |  |                  |  |  |  |
|  |  |  |  | APVD M.SARVER 07NOV07  |  | PRODUCT SPEC                                                            |  |                  |  |  |  |
|                                                                                       |  |  |  | APPLICATION SPEC       |  | SIZE CAGE CODE DRAWING NO RESTRICTED TO                                 |  |                  |  |  |  |
|                                                                                       |  |  |  | WEIGHT                 |  | A2 00779 C=1977223                                                      |  |                  |  |  |  |
|                                                                                       |  |  |  | CUSTOMER DRAWING       |  | SCALE SHEET 2 OF 2 REV A                                                |  |                  |  |  |  |
| MATERIAL                                                                              |  |  |  | FINISH                 |  | WEIGHT                                                                  |  | CUSTOMER DRAWING |  |  |  |