

## TECHNICAL CHARACTERISTICS

### SPECIFICATION

|                         |                        |
|-------------------------|------------------------|
| >Rating:                | 50mA, 12VDC            |
| >Contact Resistance:    |                        |
| Initial:                | 100mOHM max.           |
| After Life Test:        | 1OHM max.              |
| >Insulation Resistance: | min. 100MOHM at 500VDC |
| >Dielectric Strength:   | 250VAC for 1 minute    |
| >Stroke:                | 0.25 +/- 0.1 mm        |
| >Bounce:                | 10ms max.              |

### MATERIAL

|            |                                  |
|------------|----------------------------------|
| >Cover:    | Stainless Steel                  |
| >Stem:     | LCP UL 94V-0                     |
| >Frame:    | LCP UL 94V-0, color Black        |
| >Contact:  | Stainless Steel with silver      |
| >Terminal: | copper alloy with silver plating |

### SOLDERING INFORMATION

|                                                        |
|--------------------------------------------------------|
| >Terminal in SMD version                               |
| >Reflow soldering according to JEDEC J-STD 020 Hot Air |
| >Hand soldering under 350°C for 3 sec. max             |

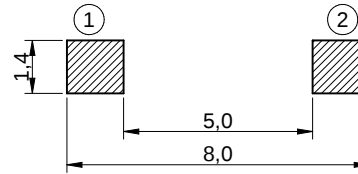
### ENVIRONMENTAL

|                       |                        |
|-----------------------|------------------------|
| >Storage condition:   | -40°C ~ +85°C          |
| >Operation condition: | -40°C ~ +85°C          |
| >Compliance:          | Lead Free, ROHS, Reach |

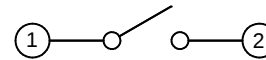
### PACKAGING INFORMATION

>Tape & Reel

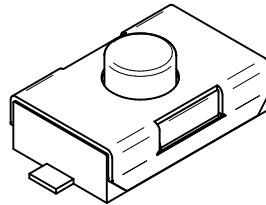
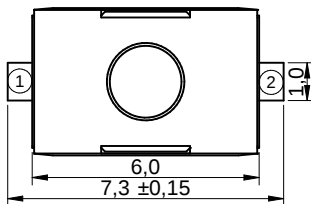
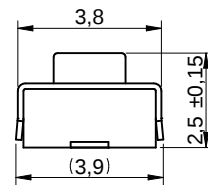
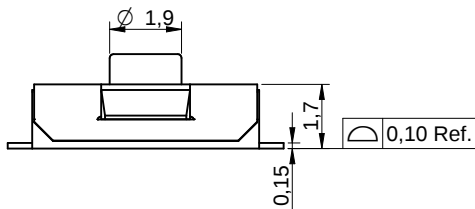
| PN              | Force       | Color of Stem | Life cycle |
|-----------------|-------------|---------------|------------|
| 434 121 025 816 | 160g ± 50gf | Black         | 50.000     |
| 434 111 025 826 | 260g ± 70gf | White         | 30.000     |



P.C.B. MOUNTING PLAN



SCHEMATIC

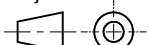


Scale - 5:1

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Wurth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

|                                                                                     |                         |                                                                                      |     |                                                                                                                 |                  |           |                                                               |     |          |  |      |
|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------|------------------|-----------|---------------------------------------------------------------|-----|----------|--|------|
|  |                         |  |     | <b>GENERAL TOLERANCE</b><br><br>.x = +/- 0,2<br>.xx = +/- 0,15                                                  |                  |           | Basic material                                                |     |          |  |      |
|                                                                                     |                         |                                                                                      |     |                                                                                                                 | Date             | Name      | DESCRIPTION<br><br>WS-TASV,6,0x3,8mm Tact Switch, SMD version |     |          |  |      |
|                                                                                     |                         |                                                                                      |     | Drawn                                                                                                           | 10-07-08         | Jelisarow |                                                               |     |          |  |      |
|                                                                                     |                         |                                                                                      |     | Checked                                                                                                         | 10-07-08         | Hsu       |                                                               |     |          |  |      |
| d                                                                                   | remove Contact cladding | 14-11-04                                                                             | DaF |                                                                                                                 |                  |           |                                                               |     |          |  |      |
| c                                                                                   | revised MatchCode       | 14-07-24                                                                             | AL  |  Würth Elektronik<br>eiCan |                  |           | Scale                                                         | 5:1 | Position |  | SIZE |
| b                                                                                   | Bounce 10ms max.        | 14-04-11                                                                             | DaF |                                                                                                                 |                  |           | Drawing.- No. 4341x10258xx                                    | A4  |          |  |      |
| a                                                                                   | warning text            | 11-10-28                                                                             | WJ  |                                                                                                                 |                  |           |                                                               |     |          |  |      |
| REV                                                                                 | FILE                    | DATE                                                                                 | BY  | EDV NO                                                                                                          | 4341x10258xx.dft |           | System :Solid Edge V20                                        |     |          |  |      |