
	Precautions for the use of Tact Switch	Revision 2 Valid from 07.05.2002
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Document Control

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1	All	Create	Jasmin Hsu	01.11.2012
2	1,2	Page 1:File link update & Page 2: Additional information of Washing & Cleaning process .	Jasmin Hsu	27.11.2012
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Precautions for the use of Tact switch

1. General information:

This guideline provides general information about the handling of our tact switches.

2. Recommend soldering profiles

- 2.1 Recommend soldering profiles for SMT parts
Please download our Hot-Air Reflow standard profile from our website under the following link:


http://www.wuelectronic.com/web/en/passive_bauelemente_standard/download_center_pbs/Download_Center_PBS.php?p=2#dbfilter

File name: "Standard Soldering Profile"
All our products are proven and tested by Wuerth Elektronik soldering test standard with a solder thickness of 150µm and solder past SAC305.

- 2.2 Recommend soldering profiles for THT parts
Please download our soldering standard from the Internet under the following link:

http://www.wuelectronic.com/web/en/passive_bauelemente_standard/download_center_pbs/Download_Center_PBS.php?p=2#dbfilter

File name: "Standard Soldering Profile"
All our products are proven and tested by Wuerth Elektronik soldering test standard.

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2.3 Recommendation for hand soldering:

350 °C for 3 sec. max

2.4 Recommendation of vapor phase soldering

Our Tact Switch Products are not qualified via VPH. Qualification of usability must be approved on customer side for this process, gladly with free samples offered by Wuerth Elektronik.

2.5 Cleaning, Washing and Coating

For non-washable series

Parts out of this series are not constructed for washing, so washing can cause malfunction afterwards.

For our washable series ^{*1}

Please do not submerge our washable products into water or cleaning agents or put them in locations exposed to water completely.


When cleaning by hand (brushing), please do not use excessive force on our switch to avoid malfunction afterwards, because you could deform function relevant areas or you could damage sealing functions.

Do not clean washable series immediately after soldering. The cleaning agent may be absorbed into the switch through respiration while the switch cools.

^{*1} : washable series

12 x 12 mm : 430 4x6 0xx 7x6

6 x 6 mm : 430 4xx 0xx 8x6 ; 431 4x1 031 8x6

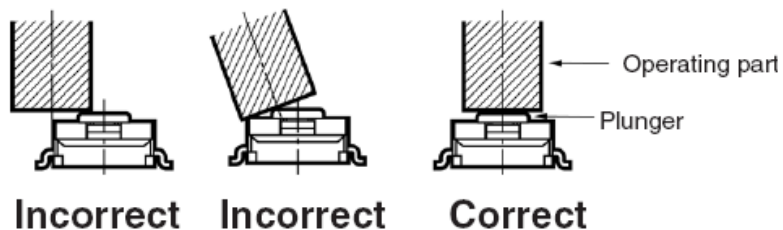
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If our product is potted in customer applications, the potting material might shrink during and after hardening. Accordingly to this the product is exposed to the pressure of the potting material with the effect that the product is possibly damaged by this pressure and so the electrical as well as the mechanical characteristics are in danger of being affected. After the potting material is cured, the products needs to be checked if any malfunction or destructions on the product have occurred.

3. Handling of the component

Do not repeatedly operate the switch with excessive force as it could cause damage or deformation of the contact dome and result into malfunction.

Please set up the switch so that the plunger will operate in a straight vertical line. A decrease in the life of the switch may result if the plunger is pressed off-center or from an angle. Also it may cause function errors or broken actuators, especially for height of more than 7.0mm



4. Storage & operation condition

Storage temperature: -40 °C ~ 85 °C

Operation temperature : -40 °C ~ 85 °C

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5. Packaging

Our SMD parts are generally packed on tape on reel.

Our THT parts are generally packed in bulk and sealed in plastic bag.

For details packaging information, please refer to our catalogue or specification.

6. Compliance

Wuerth Elektronik products are RoHS compliance products. For a 3rd parties RoHS report, please contact us.

For any further information, please feel free to contact our sales representatives.