
	<h2>Precautions for the use of Push button Switch</h2>	<p>Revision 2 Valid from 07.05.2002</p> <hr/> <p>page 1 of 5</p>
<p>This document is only valid on the date of printing: 15/10/2015</p>		

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	Precautions for the use of Push button Switch	Revision 2 Valid from 07.05.2002
		page 2 of 5
This document is only valid on the date of printing: 15/10/2015		

Precautions for the use of Push button switch

1. General information:

This guideline provides general information about the handling of our push button 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.wueonline.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.wueonline.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.

	<h2>Precautions for the use of Push button Switch</h2>	<p>Revision 2 Valid from 07.05.2002</p> <hr/> <p>page 3 of 5</p>
<p>This document is only valid on the date of printing: 15/10/2015</p>		

2.3 Recommendation for hand soldering:

350°C for 3 sec. max

2.4 Recommendation of vapor phase soldering

Our Push button 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.

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.

	Precautions for the use of Push button Switch	Revision 2 Valid from 07.05.2002 <hr/> page 4 of 5
This document is only valid on the date of printing: 15/10/2015		

Apply the operating force from the top of the actuator. Do not apply a load from angle or from the side of the actuator. Doing so may deform the switch contact.

For our Push button switch, we have suitable caps as additional accessory. The accessories are only to assemble after soldering process no matter for THT or SMD parts.

Our positioning pins ensure switch orientation during the reflow process and increasing switch mechanical resistance.

Please do not use sharp tool or tweezers to operate the switch. Recommended is to use pen or tools without sharp shape, as this may damage the outer plastic of the product.

4. Storage & operation condition

Storage temperature: -40°C ~ 85°C


Operation temperature : -40°C ~ 85°C

5. Packaging

Our SMD parts are generally packed on tape on reel.

Our THT parts are generally packed in tray.

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

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<p>This document is only valid on the date of printing: 15/10/2015</p>		

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.