



# PALAZZO

## COMPONENTI ELETTRONICI

Via Orbetello 89/14 - 10148 TORINO - ITALIA - Tel. +39. 011.220 31 20 - Fax +39. 011.220 32 12

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s.n.c. di A e G. Palazzo  
Reg. Tribunale di Torino Soc. N. 2052/76  
Reg. Camera Comm. di Torino N. 517431  
Reg. Albo Artigiani di Torino N. 127332  
Pos. Meccanografico N. 8113627  
C.C. Postale N. 29660107  
Cod. Fisc. e Part. IVA N. 01928890019  
V.A.T. N. IT01928890019

Torino, 28/05/2005

ns. rif. BP/ls

vs. rif. Quality assurance

UNIVERSAL IMPORT ELEKTRONIK ab

communications in order to:

2002 / 95 RoHS DIRECTIVES

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RoHS european directive 2002/95/CEE del 27/01/2003  
on restriction in the use of certain hazardous substances in electrical and electronic equipments.

With reference to the directives here above stated, the underwriter,  
as administrator of the Palazzo Componenti Elettronici snc,  
manufacturing rotary switches and membrane keyboards in Torino, Italy

knowing he the materials and the manufacturing processes involved in the production,

DECLARES what written below :

- the following substances are not used at all, in our products and/or production processes:  
mercury (Hg), hexavalent chromium (Cr<sup>+6</sup>), polybrominated biphenyls (PBB),  
polybrominated diphenylethers (PBDE), cadmium (Cd), lead (Pb).

- the solder alloy used for the pole-contacts connections, on switches models 2VCS, 4VCS  
(1 mm wire, fluxe inside, used with hand-operated soldering station)  
is now made of 99 % tin (Sn) and 1% copper (Cu) as per ISO-9453 (23)  
Soldering data:

- the alloy connects two surfaces wich are 100% gold galvanic plated
  - the soldering temperature is 340°C
- This alloy replaces the old 65% tin + 35% lead alloy, not Rohs compliant.

- the solder alloy used for the in-line terminals, on switches models 5VCS, 8VCS, 9VCS  
(10x 5mm bars, used into the pot, for full immersion soldering system)  
is now made of 99 % tin (Sn) and 1% copper(Cu) as per ISO-9453 (23)

Soldering data:

- the alloy connects two surfaces wich are 100% gold galvanic plated
  - the soldering temperature is 360°C
- This alloy replaces the old 65% tin + 35% lead alloy, not Rohs compliant.



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**- MATERIALS AND FINISHES OF THE SWITCHES**

see the Palazzo catalogue and the site at page

<http://www.palazzo-switches.com/inglese/commutatori/materiale.htm>

Remark: all metals are intended 100% pure because of the galvanic coating process

**- COMPONENT'S SURFACE TEMPERATURE AND SOLDERING TIME**

\* RoHS compliant soldering on switches codes 1P - 1V - 1VCS - 2V - 2VCS - 4V - 4VCS - 6R  
max 380 °C for 6 seconds

\* RoHS compliant soldering on switches codes 5V - 5VCS - 8V - 8VCS - 9V - 9VCS  
hand made and automatic wave soldering systems max 380 °C for 5 seconds

\* RoHS compliant soldering on switches codes 3R - 10R - 11R - 13R -  
hand made and automatic wave soldering systems max 370 °C for 4 seconds

In witness thereof

for PALAZZO Componenti Elettronici

Beppe Palazzo  
administrator