

Product change notification

PCN12-01 – PVA

Document revision

Revision	Date	Description	Author
A	February 16, 2012	Creation	R.Clement
B	October 12, 2012	Time-schedule updated	R.Clement

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1. Purpose

C&K components, as design and manufacturing company for micro-miniature tact switches, is constantly looking to improve the manufacturing means and processes in order to continue serving its customers with the highest performance level.

As part of this continuous improvement policy, C&K Components has engaged a complete program around the PVA series. This program consists of building new tools and assembly equipments as well as relocating the manufacturing to the COMAX facility, a C&K Brand Company located in Huizhou (China).

2. Overview of changes

Material:

- Housing material change:

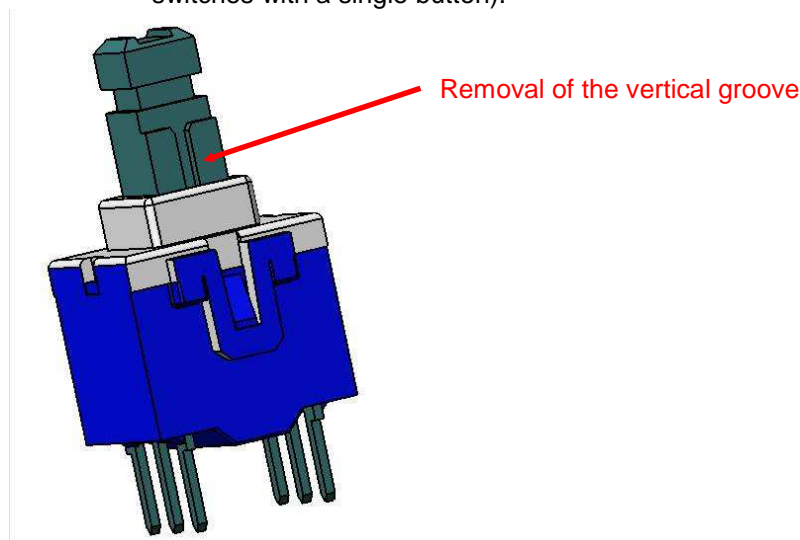
Previous material: PBT plastic material

New material: PPS plastic material

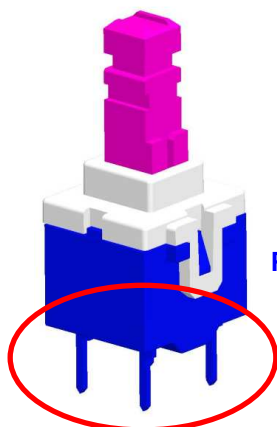
This material used for all series of C&K switches will allow to remove the resin below the housings and will guarantee high sealing properties.

Mechanical:

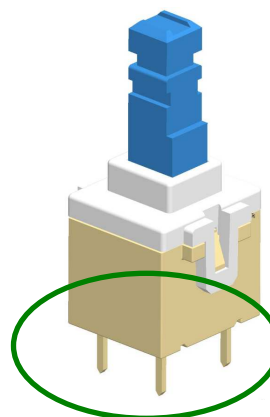
- Removal of the vertical groove on the actuator. The groove was used only for a very limited number of specific applications (for instance for simultaneous actuation of multiple switches with a single button).



- Bottom surface improvement



Previous shape



New shape

Surface modification under housing
(=> flat surface)

Cosmetic:

- Changes of colours

	Current colours	New colours
Housing	Blue for all products	Beige for all products
Actuator PVA1 OA DPST – Momentary	Natural (white)	Natural (white)
Actuator PVA1 EE DPST – Push-push	Light pink	
Actuator PVA2 OA DPST – Momentary	Light brown	Grey
Actuator PVA2 EE DPST – Push-push	Light grey	
Cover 1.2 / 1.7 N versions	Natural (white)	Natural (white)
Cover 2 N versions	Green	
Cover 3.5 N versions	Blue	

Example: **1 EE 3,5 H3**

Explanation: **1** => PVA1
EE => Push-push
3,5 => 3,5 N
H3 => Type of actuator

3. Change impact and qualification method

3.1 Impact of changes

The performance and the integration of the switch are unchanged and therefore the contents of the PVA specification remain applicable.

3.2 Qualification

Complete re-qualification at C&K.

4. Part numbers affected

New P/N following changes are notified in annex #1.

5. Date of application

- Application for customers out of PPAP procedure: starting April 2013
- PPAP delivery starting: April 2013
- Application for customers with PPAP procedure: 6 months latest after PSW issue date.
- Last time buy : previous part numbers can be ordered until end of June 2013
- Parts manufactured with previous tools will be not available anymore after September 2013 (destruction of the tools).

6. Conditions of application

Pricing and stock handling policy:

* Pricing: any pricing and other sales conditions remain valid.

* Stock handling: no obsolescence and no specification modification is applied on any P/N.

No return or scrap for obsolescence will be accepted.

7. Support

For any question, please contact your local Sales Representative or the following e-mail address:
pcn.pva@coactive-tech.com.

Annex 1:**List of replacement PVA Part numbers (1/2)**

Previous part number	Previous designation	New part number	New designation
283-2001-001	PVA1 EE H1 1.2N	Y17P11111FP	PVA1 EE H1 1.2N V2
283-2001-006	PVA1 EE H2 1.2N	Y17P11211FP	PVA1 EE H2 1.2N V2
283-2001-007	PVA1 EE H4 1.2N	Y17P11411FP	PVA1 EE H4 1.2N V2
283-2001-008	PVA1 EE H4 3.5N	Y17P11441FP	PVA1 EE H4 3.5N V2
283-2001-009	PVA1 EE H1 3.5N	Y17P11141FP	PVA1 EE H1 3.5N V2
283-2001-011	PVA1 EE H1 3.5N SNA	Y17P11142FP	PVA1 EE H1 3.5N SNA V2
283-2001-015	PVA1 EE H1 1.2N SNA	Y17P11112FP	PVA1 EE H1 1.2N SNA V2
283-2001-019	PVA1 EE H3 1.2N	Y17P11311FP	PVA1 EE H3 1.2N V2
283-2001-020	PVA1 EE H1 2.2N	Y17P11131FP	PVA1 EE H1 2.2N V2
283-2001-021	PVA1 EE H2 3.5N	Y17P11241FP	PVA1 EE H2 3.5N V2
283-2001-022	PVA1 EE H3 3.5N SNA	Y17P11342FP	PVA1 EE H3 3.5N SNA V2
283-2001-023	PVA1 EE H2 1.2N SNA	Y17P11212FP	PVA1 EE H2 1.2N SNA V2
283-2001-026	PVA1 EE H4 3.5N SNA	Y17P11442FP	PVA1 EE H4 3.5N SNA V2
283-2001-027	PVA1 EE H3 3,5N	Y17P11341FP	PVA1 EE H3 3,5N V2
283-2002-001	PVA1 OA H1 1.2N	Y17P12111FP	PVA1 OA H1 1.2N V2
283-2002-002	PVA1 OA H3 1.2N	Y17P12311FP	PVA1 OA H3 1.2N V2
283-2002-003	PVA1 OA H1 2.2N	Y17P12131FP	PVA1 OA H1 2.2N V2
283-2002-005	PVA1 OA H4 1.2N SNA	Y17P12412FP	PVA1 OA H4 1.2N SNA V2
283-2002-006	PVA1 OA H2 1.2N	Y17P12211FP	PVA1 OA H2 1.2N V2
283-2002-007	PVA1 OA H4 1.2N	Y17P12411FP	PVA1 OA H4 1.2N V2
283-2002-024	PVA1 OA H1 3.5N	Y17P12141FP	PVA1 OA H1 3.5N V2
283-2002-025	PVA1 OA H1 3.5N SNA	Y17P12142FP	PVA1 OA H1 3.5N SNA V2
283-2002-029	PVA1 OA H1 1.2N SNA	Y17P12112FP	PVA1 OA H1 1.2N SNA V2
283-2002-031	PVA1 OA H4 3.5N	Y17P12441FP	PVA1 OA H4 3.5N V2
283-2002-033	PVA1 OA H3 1.2N SNA	Y17P12312FP	PVA1 OA H3 1.2N SNA V2
283-2002-034	PVA1 OA H2 1.2N SNA	Y17P12212FP	PVA1 OA H2 1.2N SNA V2
283-2002-035	PVA1 OA H3 3.5N	Y17P12341FP	PVA1 OA H3 3.5N V2
283-2062-608	PVA1 EE H4 1.2N SNA	Y17P11412FP	PVA1 EE H4 1.2N SNA V2

List of replacement PVA Part numbers (2/2)

Previous part number	Previous designation	New part number	New designation
283-2004-001	PVA2 EE H1 1.7N	Y17P21121FP	PVA2 EE H1 1.7N V2
283-2004-002	PVA2 EE H3 1.7N	Y17P21321FP	PVA2 EE H3 1.7N V2
283-2004-005	PVA2 EE H1 3.5N	Y17P21141FP	PVA2 EE H1 3.5N V2
283-2004-006	PVA2 EE H2 1.7N	Y17P21221FP	PVA2 EE H2 1.7N V2
283-2004-009	PVA2 EE H4 1.7N	Y17P21421FP	PVA2 EE H4 1.7N V2
283-2004-010	PVA2 EE H4 SNA 3.5N	Y17P21442FP	PVA2 EE H4 3.5N SNA V2
283-2004-012	PVA2 EE H2 3.5N	Y17P21241FP	PVA2 EE H2 3.5N V2
283-2004-014	PVA2 EE H1 1.7N SNA	Y17P21122FP	PVA2 EE H1 1.7N SNA V2
283-2004-015	PVA2 EE H1 2.2N	Y17P21131FP	PVA2 EE H1 2.2N V2
283-2004-016	PVA2 EE H4 1.7N SNA	Y17P21422FP	PVA2 EE H4 1.7N SNA V2
283-2004-017	PVA2 EE H3 SNA	Y17P21322FP	PVA2 EE H3 1.7N SNA V2
283-2004-018	PVA2 EE H1 3.5N SNA	Y17P21142FP	PVA2 EE H1 3.5N SNA V2
283-2004-020	PVA2 EE H3 3.5N	Y17P21341FP	PVA2 EE H3 3.5N V2
283-2004-034	PVA2 EE H2 1.7N SNA	Y17P21222FP	PVA2 EE H2 1.7N SNA V2
283-2005-001	PVA2 OA H1 1.7N	Y17P22121FP	PVA2 OA H1 1.7N V2
283-2005-003	PVA2 OA H1 1.7N SNA	Y17P22122FP	PVA2 OA H1 1.7N SNA V2
283-2005-004	PVA2 OA H1 2.2N	Y17P22131FP	PVA2 OA H1 2.2N V2
283-2005-006	PVA2 OA H2	Y17P22221FP	PVA2 OA H2 1.7N V2
283-2005-009	PVA2 OA H4 1.7N	Y17P22421FP	PVA2 OA H4 1.7N V2
283-2005-012	PVA2 OA H3 1.7N	Y17P22321FP	PVA2 OA H3 1.7N V2
283-2005-025	PVA2 OA H5 1.7N	Y17P22521FP	PVA2 OA H5 1.7N V2
283-2005-029	PVA2 OA H4 SNA	Y17P22422FP	PVA2 OA H4 1.7N SNA V2
283-2005-033	PVA2 OA H1 3.5N	Y17P22141FP	PVA2 OA H1 3.5N V2
283-2005-034	PVA2 OA H5 3.5N	Y17P22541FP	PVA2 OA H5 3.5N V2
283-2005-035	PVA2 OA H4 3.5N	Y17P22441FP	PVA2 OA H4 3.5N V2
283-2005-036	PVA2 OA H5 1.7N SNA	Y17P22522FP	PVA2 OA H5 1.7N SNA V2
283-2005-043	PVA2 OA H1 3.5N SNA	Y17P22142FP	PVA2 OA H1 3.5N SNA V2
283-2005-044	PVA2 OA H3 3.5N	Y17P22341FP	PVA2 OA H3 3.5N V2