Snap-acting detect switches feature up to 100,000 actuations

C&K Components has significantly extended the operating life of its micro-miniature snap-acting detect switch to 100,000 actuations. Available in four surface mount options, the MDS Series snap-acting switch is also available in vertical and right-angle PCB mount and through-hole versions which now include surface mount options of: “left with pins,” “left with no pins,” “right with pins,” and “right with no pins.”

The MDS Series switches feature copper alloy and silver plating to ensure durability, with an operating force of 50g max. and an operating temperature of -25°C to +70° C.
The expanded operating life and enhanced durability, combined with the multiple surface mount options, makes the micro-miniature MDS Series snap-acting switch well suited for telecom, medical, consumer, and other applications where detecting the presence of a mechanical device is required.

“The new MDS Series snap-acting switch has an impressive mechanical and electrical life of 100,000 operations. The device surpasses other available options on the market, and offers a life span ten times longer than previously available,” said Vinny Acampora, product manager for C&K Components. “With more than a dozen termination options, the new MDS Series switches provide a unique and flexible solution.”

The micro-miniature MDS Series switches are RoHS-compliant and feature a 100m

ohms contact resistance. The snap-acting tactile feel switch offers a total travel of 2.9mm and a contact rating of 300mA @ 30VDC. The MDS Series' mounting bracket ensures a robust right-angle engagement with handle mechanisms or enclosures. C&K offers designers the ability to have an SMT surface plate with or without alignment posts, and versions opening to the right or left.

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