Universal Quick-Connect Terminal Switch Eases Assembly

C&K Components, a leading international supplier of tact switches, toggle, rocker, and pushbutton switches, and smart card interconnect devices, announces the availability of RAFI's family of low profile, universal quick-connect switches. Designated the RAFIX 22 FS Series, the quick-connect feature supports a modular installation concept, allowing the switches to be plugged into the panel and locked firmly into place, simplifying both ease of assembly and maintenance. In addition, the user can store individual switch elements separately and configure them during final assembly to meet application-specific needs, while saving storage space and costs.
The universal switches are available in pushbutton, selection, key, signal lamp, and emergency-stop configurations, and require only 27mm of mounting depth behind the front plate. All RAFIX 22 FS Series components are IP65 splash-water protected in accordance with DIN standards. The mounting diameter in the front plate is 22.3 mm in accordance with IEC 60947 specifications. The RAFIX 22 FS Series switches are the lowest profile quick-connect switches available on the market.

The emergency-stop switches are designed with a positive mechanical movement sequence. A certain operating force must be exerted at the push cap in order to prevent inadvertent operation. When pressed, the pushbutton latches and is reset by turning the switch in a clockwise direction.

Wiring of the RAFIX 22 FS Series switches is carried out via a 2.8 x 0.8 mm blade terminal, or via the soldering terminals in the quick connector. A ridge between the contacts prevents short circuits, even under tensile load of the connection cable. Illuminated versions of the pushbutton and signal lamp switches are also available, with LEDs in five different colors that can be clicked into the switches from behind

using flat contactors. All RAFIX 22 FS Series switches are available with gold contacts for electronic applications (minimum 5V/1mA) or silver contacts for mains voltage (maximum 250V/4A).

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