E RUTRONIK ELECTRONICS WORLDWIDE



Committed to excellence



Product Lines & Applications

| Logistics



Consult

| Components

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Quality







C&K offers the largest portfolio of available switches and unmatched custom design capabilities to help customers access or create any switch they need.

Expertise – Every Touch & Every Where





Tactile Switches



Information	A second	Ø			S	
Series	KSC	KMTO	KSJ	PTS645	KSR	PTS641
Footprint	6.8 x 6.2	3 x 2.6	7.62 x 5.08	6 x 6	7.3 x 3.8	6.3 x 6.3
Total Height (mm)	2.5 to 7.7	0.65	6.65	4.3 to 9.5	2.5	2.5 to 3.4
Actuation Force (N)	1 to 6.25	1.0 to 3.4	2.0 to 3.0	1.3 to 2.6	1.2 to 4.5	1.6 to 3.2
IP Rating	IP67 (KSC 5: IP50)	IP68	IP60	IP40	IP40	IP40
Life Cycles	100,000 to 5,000,000	300,000 to 1,000,000	30,000 to 100,000	100,000	100,000 to 200,000	100,000
Features / Benefits	 Positive tactile feeling J or G terminations Various heights IP67 	 Smallest thickness with integrated actuator Extended life cycles IP68 Ultra low current capabilities 	 Designed for mechanism Spherical actuator allows actuation force off center ± 30° with regard to vertical Compliant side actuation 	 Variety of actuator lengths Choice of actuation force RoHS compliant and compatible 	 G Terminations N.O. and N.C. Detect type available Rubber actuator RoHS compliant and compatible 	 6.3 mm x 6.3 mm footprint Multiple heights Ground pin option
Applications	 Automotive Medical Industrial Network infrastructure 	 Mobile Phones Hearing Aids Bluetooth Headset HA remote controls 	 Automotive Cranes, off road, railway Factory automation Security systems 	 Consumer products Instrumentation Computer products Industrial 	 Automotive Medical equipment Industrial electronics Smart meters 	 Metering White goods Home and garden equipment

Detect Switches



				Pro	A	
Series	SSW	HDT	ATS	ZMA	SDS	FDSE
Footprint (with actuator)	15,4 x 8.3	4.7 x 3.8	7.3 x 3.8	12.8 x 5.8	6.7 x 5.0	4.2 x 3.6
Total Height (mm)	12.2	5.3	3.2	6.6	2.0	3.14
Actuation Force (N)	2.0	0.34	2.0	0.78 or 1.47	0.74	0.34
Operating temperature (°C)	-40 to 85	-40 to 85	-40 to 125	-40 to 85	-40 to 85	-40 to 60
Life Cycles	300,000	100,000	5,000	10,000 - 300,000	50,000	50,000
Features / Benefits	 SMT Redundant contacts Change over time <15 ms Top and side actustion Low acoustics IP67 	 Top or side actuation Pick and place compatible RoHS compliant and compatible Halogen free 	 Normaly closed function Vertical detect Reliable long time compression RoHS compiant and compatible IP54 	 Reliable snap-acting mechanism Compact size Various PCB terminals and actuators RoHS comliant and compatible 	 Low profile package sits just 2 mm of PCB Low actuating force Pich & place compatible, available in tape & reel packaging RoHS compliant and compatible 	 Angled actuation Flat or Bending Termination Long travel type RoHS Compliant
Applications	 Automotive, ASIL related applications (electronic parking brake, by wire function) Safety applications 	Consumer electronics Computers Medical devices ATCA and MicroTCA devices	 Smart meters Alarm systems Anti-tamper devices 	 RCB detection switch Communication devices Testing equipment Alarm systems Consumer electronics 	 Medical devices Consumer electronic devices PCB lock cam detect ATCA and MicroTCA 	Consumer electronics Medical devices Safety control devices

Home Automation

Key Markets

Key Segments







Building Application

Safety & Security

HVAC



Building Application – Lighting & Energy

Safety & Security



HVAC





Automotive

Key Markets

Key Segments







Interior Controls Access Other Fields of Management Applications



Interior Controls



Access Management



Other Fields of Applications



Medical

Key Markets

Key Segments







Electrosurgery

e-Health



Medical Wearables



Electrosurgery



e-Health



Medical Wearables



Rutronik Core Competences

Our Product Portfolio





Committed to Excellence

Consult – Know-how. Built-in. The Technical Competence from RUTRONIK

Worldwide and individual consulting on the spot: by competent sales staff, application engineers and product specialists.

Components – Variety. Built-in. The Product Portfolio from RUTRONIK

Wide product range of semiconductors, passive and electromechanical components, displays & monitors, boards & systems, storage and wireless technologies for optimum coverage of your needs.

Logistics – Reliability. Built-in.

The Delivery Service from RUTRONIK

Innovative and flexible solutions: from supply chain management to individual logistics systems.

Quality – Security. Built-in.

Quality Management without Compromise

The integrated management system (IMS) encompasses quality control, information security, environmental protection, occupational health and safety.

Our Initiatives



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About C&K





Founded in 1928, C&K is one of the world's most trusted brands of high-quality electromechanical switches. The company's unmatched custom design capabilities are recognized globally by design engineers who demand reliable switch performance.

C&K offers more than 55,000 standard products and 8.5 million switch combinations to companies that design, manufacture and distribute electronics products. Used in automotive, industrial, IoT, wearables, medical, telecom, consumer products, aerospace, and POS terminals, C&K products include tactile, pushbutton, snap-acting, toggle, rocker, detect, DIP, keyswitch, navigation, rotary, slide, switchlock, thumbwheel, smart card readers, high-reliability connectors and custom assemblies.



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Mergim Myftari Product Sales Manager

Phone: +49 7231 801 - 4459 E-Mail: mergim.myftari@rutronik.com

Rutronik Elektronische Bauelemente GmbH Industriestr. 2 | 75228 Ispringen | Germany www.rutronik.com | www.rutronik24.com