

## RACON 8 - Tactile switch, SMT gullwing (Z) terminals

## 1.14.100.503/0000

For keycaps, refer to RK 90.



Length of housing Width of housing 8.4 mm Height of housing 4.90**0.1 mm  Mechanical design  Mounting Terminals SMT Gullwing (Z) Anschluss Contact system snap-action contact Contact arrangement 1 NO Contact materials Illumination  Mechanical characteristics Operating force Switching travel  Electrical characteristics Rated voltage min. Rated current min. Rated current max. Rated power max. (ohmic load)  Lyou and the min 1 NO  8.4 mm  4.90**0.1 mm  Soldering SMT Gullwing (Z) Anschluss Snap-action contact Au  1 NO  2 NO  3 ap-action contact  1 NO  2 NO  3 ap-action contact  3 ap-action contact  1 NO  4 un  4 un  5 on  6 on  7 on  7 on  8 ap-action contact  9 on  8 ap-action contact  9 on  9 ap-action contact  1 NO  1 NO  1 NO  1 NO  1 NO  1 NO  1 N	Dimensions	
Height of housing         4.90**0.1 mm           Mechanical design         Mounting         soldering           Terminals         SMT Gullwing (Z) Anschluss           Contact system         snap-action contact           Contact arrangement         1 NO           Contact materials         Au           Illumination         no           Mechanical characteristics         Operating force           Switching travel         0.34**0.1 mm           Electrical characteristics         Switching travel           Rated voltage min.         0.02 V           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W	Length of housing	8.4 mm
Mechanical design         soldering           Terminals         SMT Gullwing (Z) Anschluss           Contact system         snap-action contact           Contact arrangement         1 NO           Contact materials         Au           Illumination         no           Mechanical characteristics         Operating force         3.3 <sup>±0.6</sup> N           Switching travel         0.34 <sup>±0.1</sup> mm           Electrical characteristics         Rated voltage min.         0.02 V           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W	Width of housing	8.4 mm
Mounting         soldering           Terminals         SMT Gullwing (Z) Anschluss           Contact system         snap-action contact           Contact arrangement         1 NO           Contact materials         Au           Illumination         no           Mechanical characteristics         Operating force           Switching travel         0.34 ±0.1 mm           Electrical characteristics         Rated voltage min.           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W	Height of housing	4.90 <sup>±0.1</sup> mm
Mounting         soldering           Terminals         SMT Gullwing (Z) Anschluss           Contact system         snap-action contact           Contact arrangement         1 NO           Contact materials         Au           Illumination         no           Mechanical characteristics         Operating force           Switching travel         0.34 ±0.1 mm           Electrical characteristics         Rated voltage min.           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W		
Terminals         SMT Gullwing (Z) Anschluss           Contact system         snap-action contact           Contact arrangement         1 NO           Contact materials         Au           Illumination         no           Mechanical characteristics         Operating force           Switching travel         0.34*0.1 mm           Electrical characteristics         Rated voltage min.           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W		
Contact system Contact arrangement 1 NO Contact materials Au Illumination no  Mechanical characteristics Operating force Switching travel  Electrical characteristics Rated voltage min. Rated current min. Rated current max. Rated power max. (ohmic load)  1 NO  Au  1 NO  1 NO		
Contact arrangement         1 NO           Contact materials         Au           Illumination         no           Mechanical characteristics         Operating force         3.3 <sup>±0.6</sup> N           Switching travel         0.34 <sup>±0.1</sup> mm           Electrical characteristics         Rated voltage min.         0.02 V           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W	Terminals	
Contact materials  Illumination  Mechanical characteristics Operating force Switching travel  Electrical characteristics Rated voltage min. Rated voltage max.  Rated current min.  Rated current max. Rated power max. (ohmic load)  Au  Au  Au  Au  Do  Au  Do  Au  Do  Do  Do  Do  Do  Do  Do  Do  Do  D	Contact system	snap-action contact
Illumination     no       Mechanical characteristics     3.3 <sup>±0.6</sup> N       Operating force     3.3 <sup>±0.6</sup> N       Switching travel     0.34 <sup>±0.1</sup> mm       Electrical characteristics     Rated voltage min.       Rated voltage max.     35 V       Rated current min.     0.01 mA       Rated current max.     100 mA       Rated power max. (ohmic load)     1 W	Contact arrangement	_1 NO
Mechanical characteristics  Operating force 3.3 <sup>±0.6</sup> N  Switching travel 0.34 <sup>±0.1</sup> mm   Electrical characteristics  Rated voltage min. 0.02 V  Rated voltage max. 35 V  Rated current min. 0.01 mA  Rated current max. 100 mA  Rated power max. (ohmic load) 1 W	Contact materials	_Au
Operating force         3.3**0.6 N           Switching travel         0.34**0.1 mm           Electrical characteristics         0.02 V           Rated voltage min.         0.02 V           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W	Illumination	no
Operating force         3.3**0.6 N           Switching travel         0.34**0.1 mm           Electrical characteristics         0.02 V           Rated voltage min.         0.02 V           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W	Machanical characteristics	
Switching travel         0.34 <sup>±0.1</sup> mm           Electrical characteristics         Rated voltage min.         0.02 V           Rated voltage max.         35 V           Rated current min.         0.01 mA           Rated current max.         100 mA           Rated power max. (ohmic load)         1 W		2 2 <sup>±0.6</sup> N
Electrical characteristics  Rated voltage min.  Rated voltage max.  Sated current min.  Rated current max.  Rated current max.  100 mA  Rated power max. (ohmic load)  1 W		
Rated voltage min.  Rated voltage max.  Rated current min.  Rated current max.  Rated power max. (ohmic load)  0.02 V  0.01 mA  100 mA  1 W	Switching travel	0.54 11111
Rated voltage max.  Rated current min.  Rated current max.  100 mA  Rated power max. (ohmic load)  1 W	Electrical characteristics	
Rated current min.  Rated current max.  Rated power max. (ohmic load)  1 W	Rated voltage min.	0.02 V
Rated current max. 100 mA Rated power max. (ohmic load) 1 W	Rated voltage max.	35 V
Rated power max. (ohmic load) 1 W	Rated current min.	0.01 mA
	Rated current max.	100 mA
Contact resistance when new may 100 mO	Rated power max. (ohmic load)	1 W
Contact resistance when new max.	Contact resistance when new max.	100 mΩ
Insulation resistance $10^9 \Omega$	Insulation resistance	10 <sup>9</sup> Ω
Other specifications	•	
Ambient temp. operating min40 °C		·
Ambient temp. operating max. +90 °C		-
Resistance to environment DIN EN 60068-2 -14,-30,-33 and -78		
Operating life 1,000,000 cycle	Operating life	1,000,000 cycle
Solderability / Solder heat resistance DIN EN 60068-2-58	Solderability / Solder heat resistance	
Flammability of materials UL 94 HB	Flammability of materials	UL 94 HB
Packing tape and reel à 1000 pieces	Packing	tape and reel à 1000 pieces
Produkt type C1	Produkt type	_C1
ROHS compliant yes	ROHS compliant	yes
DEAGLE III I	REACH compliant	yes



## PCB footprint, view on component side













