

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 ^{±0.6} N Switching travel 0.34 ^{±0.1} 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 |
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| 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 ⁹ 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













