

RF 15 N - Tactile switch, non-illuminated, gold contacts, round actuator

3.14.101.915/0000

For keycaps, refer to RK 90 system design.



General information

Recommended key grid	19.05 mm
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Dimensions

Length	15 mm
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Width	15 mm
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Overall height	6.2 mm
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Mechanical design

Mounting	soldering in PCB
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Terminals	THT
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Contact system	snap-action contact
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Contact arrangement	1 NO
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Contact materials	Au
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Illumination	external 3 mm LED possible if height more than 12 mm
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Mechanical characteristics

Operating force max.	2.9 ^{+0.6} N
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Switching travel	0.5 ^{+0.2} mm
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Robustness max.	100 with through-plated PCB N
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Electrical characteristics

Rated voltage min.	Au: 0.02 V, Ag: 3 V
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Rated voltage max.	35 V
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Rated current min.	Au: 0.01 mA, Ag: 0.1 mA
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Rated current max.	Au: 100 mA, Ag: 250 mA
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Rated power max. (ohmic load)	Au: 2 W, Ag: 12.5 W
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Contact resistance when new max.	100 mΩ
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Insulation resistance	10 ⁹ Ω
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Other specifications

Ambient temp. operating min.	-25 °C
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Ambient temp. operating max.	+70 °C
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Storage temperature max. (in tube)	+50 °C
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Environmental resistance	acc. to IEC 60068-2-14, -30, -33 and -78
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Operating life min. (operations)	1,000,000 cycle
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Solderability / solder heat resistance	according to DIN EN 60068-2-20
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Wave soldering	260 °C max.
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Manual soldering	350 °C / 5 sec. max.
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ROHS compliant	yes
REACH compliant	yes

