

## RF 15 N - Tactile switch, non-illuminated, silver contacts

## 3.14.100.606/0000

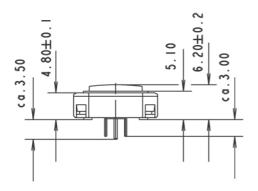
For keycaps, refer to RK 90 system design.

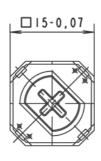


Page 2007   Pag	General information	
Length	Recommended key grid	19.05 mm
Length		
Width     15 mm       Overall height     6.2 mm       Mechanical design     soldering in PCB       Terminals     THT       Contact system     snap-action contact       Contact system     1 NO       Contact materials     Ag       Illumination     external 3 mm LED possible if height more than 12 mm       Mechanical characteristics     external 3 mm LED possible if height more than 12 mm       Mechanical characteristics     N       Switching travel     0.5*0.2 mm       Robustness max.     100 with through-plated PCB N       Electrical characteristics     Interpretation of the plate of the		
Overall height         Mechanical design         Mounting       soldering in PCB         Terminals       THT         Contact system       snap-action contact         Contact arrangement       1 NO         Contact materials       Ag         Illumination       external 3 mm LED possible if height more than 12 mm         Mechanical characteristics         Operating force max.       2.9*0.6 N         Switching travel       0.5*0.2 mm         Robustness max.       100 with through-plated PCB N         Electrical characteristics         Rated voltage min.       Au: 0.02 V, Ag: 3 V         Rated voltage max.       35 V         Rated current min.       Au: 0.01 mA, Ag: 0.1 mA         Rated current max.       Au: 100 mA, Ag: 250 mA         Rated power max. (ohmic load)       Au: 2 W, Ag: 12.5 W         Contact resistance when new max.       100 mΩ         Insulation resistance       10° Ω         Other specifications         Ambient temp. operating min.       -25 °C         Ambient temp. operating max.       +70 °C         Storage temperature max. (in tube)       +50 °C         Environmental restistance       acc. to IEC 60068-2-14, -30, -33 and -78 <td></td> <td><u> </u></td>		<u> </u>
Mechanical design         Mounting         soldering in PCB           Terminals         THT           Contact system         snap-action contact           Contact arrangement         1 NO           Contact materials         Ag           Illumination         external 3 mm LED possible if height more than 12 mm           Mechanical characteristics           Operating force max.         2.9*0.6 N           Switching travel         0.5*0.2 mm           Robustness max.         100 with through-plated PCB N           Electrical characteristics           Rated voltage min.         Au: 0.02 V, Ag: 3 V           Rated voltage max.         35 V           Rated voltage max.         35 V           Rated current min.         Au: 0.01 mA, Ag: 0.1 mA           Rated current max.         Au: 100 mA, Ag: 250 mA           Rated power max. (ohmic load)         Au: 2 W, Ag: 12.5 W           Contact resistance when new max.         100 mΩ           Insulation resistance         10.9 Ω           Other specifications           Ambient temp. operating min.         -25 °C           Ambient temp. operating max.         +70 °C           Storage temperature max. (in tube)         +50 °C           Environment		
Mounting       soldering in PCB         Terminals       THT         Contact system       snap-action contact         Contact arrangement       1 NO         Contact materials       4g         Illumination       external 3 mm LED possible if height more than 12 mm         Mechanical characteristics         Operating force max.       2.9*0.6 N         Switching travel       0.5*0.2 mm         Robustness max.       100 with through-plated PCB N         Electrical characteristics         Rated voltage min.       Au: 0.02 V, Ag: 3 V         Rated voltage max.       35 V         Rated current min.       Au: 0.01 mA, Ag: 0.1 mA         Rated current max.       Au: 100 mA, Ag: 250 mA         Rated power max. (ohmic load)       Au: 2 W, Ag: 12.5 W         Contact resistance when new max.       100 mΩ         Insulation resistance       10° Ω         Other specifications         Ambient temp. operating min.       -25 °C         Ambient temp. operating max.       +70 °C         Storage temperature max. (in tube)       +50 °C         Environmental restistance       acc. to IEC 60068-2-14, -30, -33 and -78         Operating life min. (operations)       1,000,000 cycle	Overall height	6.2 mm
Terminals  THT  Contact system  snap-action contact  Contact arrangement  1 NO  Contact materials  Ag  Illumination  Mechanical characteristics  Operating force max.  Switching travel  Robustness max.  100 with through-plated PCB N  Electrical characteristics  Rated voltage min.  Au: 0.02 V, Ag: 3 V  Rated voltage max.  Au: 0.01 mA, Ag: 0.1 mA  Rated current min.  Au: 0.01 mA, Ag: 250 mA  Rated power max. (ohmic load)  Au: 2 W, Ag: 12.5 W  Contact resistance when new max.  Insulation resistance  Other specifications  Ambient temp. operating min.  -25 °C  Ambient temp. operating max.  Ambient temp. operating max.  Ambient temp. operating max.  Coperating life min. (operations)  Light To Coperating life min. (operations)  1,000,000 cycle  Solderability / solder heat resistance  according to DIN EN 60068-2-20  Wave soldering  260 °C max.	Mechanical design	
Contact system       snap-action contact         Contact arrangement       1 NO         Contact materials       Ag         Illumination       external 3 mm LED possible if height more than 12 mm         Mechanical characteristics	Mounting	soldering in PCB
Contact arrangement       1 NO         Contact materials       Ag         Illumination       external 3 mm LED possible if height more than 12 mm         Mechanical characteristics         Operating force max.       2.9*0.6 N         Switching travel       0.5*0.2 mm         Robustness max.       100 with through-plated PCB N         Electrical characteristics         Rated voltage min.       Au: 0.02 V, Ag: 3 V         Rated voltage max.       35 V         Rated current min.       Au: 0.01 mA, Ag: 0.1 mA         Rated current max.       Au: 100 mA, Ag: 250 mA         Rated power max. (ohmic load)       Au: 2 W, Ag: 12.5 W         Contact resistance when new max.       100 mΩ         Insulation resistance       10° Ω         Other specifications         Ambient temp. operating min.       -25 °C         Ambient temp. operating max.       +70 °C         Storage temperature max. (in tube)       +50 °C         Environmental restistance       acc. to IEC 60068-2-14, -30, -33 and -78         Operating life min. (operations)       1,000,000 cycle         Solderability / solder heat resistance       according to DIN EN 60068-2-20         Wave soldering	Terminals	THT
Contact materials       Ag         Illumination       external 3 mm LED possible if height more than 12 mm         Mechanical characteristics       2.9±0.6 N         Operating force max.       2.9±0.6 N         Switching travel       0.5*0.2 mm         Robustness max.       100 with through-plated PCB N         Electrical characteristics         Rated voltage min.       Au: 0.02 V, Ag: 3 V         Rated voltage max.       35 V         Rated current min.       Au: 0.01 mA, Ag: 0.1 mA         Rated current max.       Au: 100 mA, Ag: 250 mA         Rated power max. (ohmic load)       Au: 2 W, Ag: 12.5 W         Contact resistance when new max.       100 mΩ         Insulation resistance       10° Ω         Other specifications         Ambient temp. operating min.       -25 °C         Ambient temp. operating max.       +70 °C         Storage temperature max. (in tube)       +50 °C         Environmental restistance       acc. to IEC 60068-2-14, -30, -33 and -78         Operating life min. (operations)       1,000,000 cycle         Solderability / solder heat resistance       according to DIN EN 60068-2-20         Wave soldering	Contact system	snap-action contact
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Robustness max.Electrical characteristicsRated voltage min.Au: 0.02 V, Ag: 3 VRated voltage max.35 VRated current min.Au: 0.01 mA, Ag: 0.1 mARated current max.Au: 100 mA, Ag: 250 mARated power max. (ohmic load)Au: 2 W, Ag: 12.5 WContact resistance when new max.100 mΩInsulation resistance109 ΩOther specificationsAmbient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature max. (in tube)+50 °CEnvironmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Operating life min. (operations)1,000,000 cycleSolderability / solder heat resistanceaccording to DIN EN 60068-2-20Wave soldering260 °C max.		0.5 <sup>+0.2</sup> mm
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Insulation resistance10 9 ΩOther specifications-25 °CAmbient temp. operating min25 °CAmbient temp. operating max.+70 °CStorage temperature max. (in tube)+50 °CEnvironmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Operating life min. (operations)1,000,000 cycleSolderability / solder heat resistanceaccording to DIN EN 60068-2-20Wave soldering260 °C max.		
Other specifications  Ambient temp. operating min.  -25 °C  Ambient temp. operating max.  +70 °C  Storage temperature max. (in tube)  Environmental restistance  Operating life min. (operations)  Solderability / solder heat resistance  Wave soldering  Other specifications  -25 °C  +70 °C  solderability / solder  +50 °C  acc. to IEC 60068-2-14, -30, -33 and -78  1,000,000 cycle  according to DIN EN 60068-2-20  260 °C max.		
Ambient temp. operating min.  Ambient temp. operating max.  +70 °C  Storage temperature max. (in tube)  Environmental restistance  Operating life min. (operations)  Solderability / solder heat resistance  Wave soldering  -25 °C  +70 °C  +50 °C  acc. to IEC 60068-2-14, -30, -33 and -78  1,000,000 cycle  according to DIN EN 60068-2-20  260 °C max.	Insulation resistance	10 <sup>9</sup> Ω
Ambient temp. operating max. +70 °C  Storage temperature max. (in tube) +50 °C  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Operating life min. (operations) 1,000,000 cycle  Solderability / solder heat resistance according to DIN EN 60068-2-20  Wave soldering 260 °C max.	Other specifications	
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Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Operating life min. (operations) 1,000,000 cycle  Solderability / solder heat resistance according to DIN EN 60068-2-20  Wave soldering 260 °C max.	Ambient temp. operating max.	+70 °C
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Wave soldering 260 °C max.	Operating life min. (operations)	1,000,000 cycle
	Solderability / solder heat resistance	according to DIN EN 60068-2-20
Manual soldering 350 °C / 5 sec. max.	Wave soldering	260 °C max.
	Manual soldering	350 °C / 5 sec. max.



ROHS compliant	yes
REACH compliant	yes







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