

# REKN Key Switch



The REKN Key switch is a momentary switch with a twin contact system.

- Patented contact system with twin contacts operating on the same level stands for high reliability and long operating life
- Terminals on a 2.54 mm (0.100) grid
- Two centering pegs for alignment on PC boards
- Sealed contacts guarantee soldering without problems

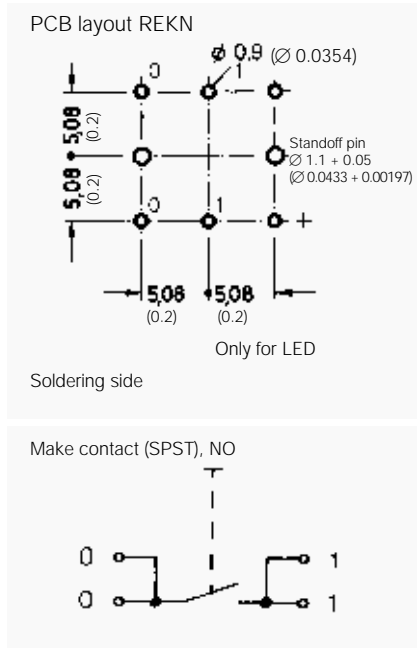
<b>Construction</b>		
Function	Momentary	
Contact arrangement	1 make contact (1A): SPST <sup>1)</sup> , NO	
Distance between button centers	horizontal minimum	12.7 (0.500)
	vertical minimum	14.3 (0.563)
Terminals	PC pins	
Mounting	Soldering, centering pins	
<b>Electrical data</b>		
	Gold (Standard)	Silver <sup>2)</sup>
Switching power max.	0.25 W DC	0.75 W DC
Switching voltage max.	25 V DC	60 V DC
Switching current max.	10 mA DC	60 mA DC
Dielectric strength (50 Hz, 1 Min.)	250 V	250 V
Operating life with max. switching power	≧ 5×10 <sup>5</sup> operations	≧ 5×10 <sup>5</sup> operations
Contact resistance, initial	≧ 100 mΩ	≧ 50 mΩ
Insulation resistance	≧ 10 <sup>11</sup> Ω	≧ 10 <sup>11</sup> Ω
Capacitance at f = 10 kHz	≧ 2 pF	≧ 2 pF
Contact bounce	≧ 0.2 ms	≧ 0.2 ms
Operating speed	400 mm/s (15.7 inch/s)	
<b>Mechanical data</b>		
Total travel/switching travel	0.8 mm/0.4 (0.0315 inch/0.0157)	
Operating force	1.2N (120 grams)	
<b>Further data</b>		
Contact material	Gold (Standard) or silver <sup>2)</sup> ; both over Ni	
Insulation material	Thermoplastic	
Button colors	Black and gray standard, other colors available on request	
Marking area	Gripping surface (button field)	
Graphics	Please consult factory	
Solderability	Sealed contacts	
Max. soldering time and temperature	5 s at 260°C	
Operating temperature	with button	- 25°C to + 70°C
	without button	- 25°C to + 85°C

<sup>1)</sup> Switching part: white

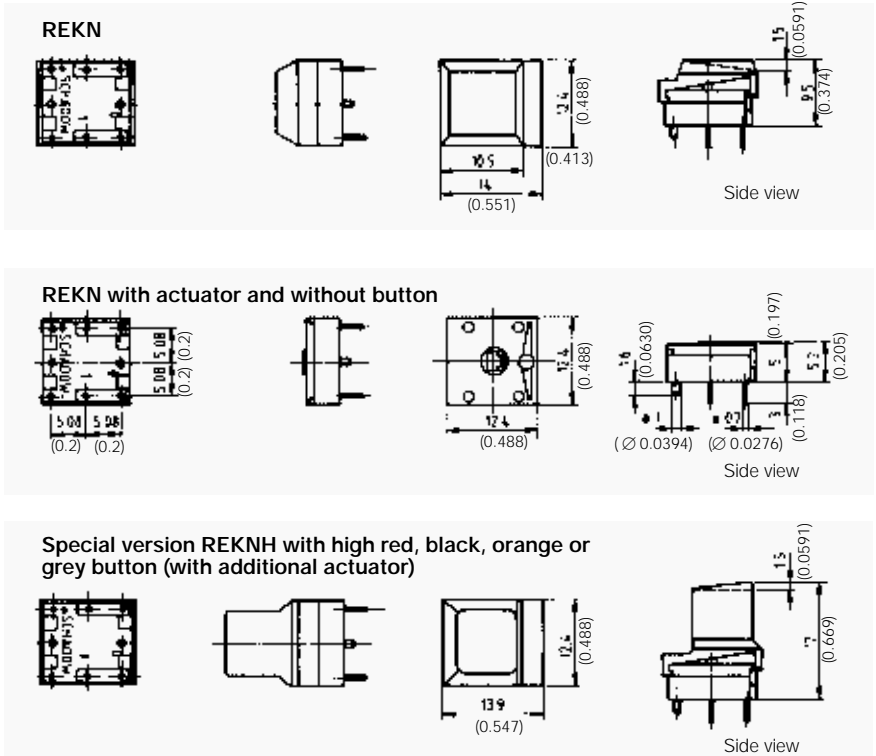
<sup>2)</sup> Upon request

Ordering code: see next page.

# REKN Key Switch



## Dimensional Drawings



Ordering code		1	2	3	4	5
	<b>Example:</b>	REKN	GY	AU	B	WH
1	<b>Designation:</b> REKN, REKNH	→	→	→	→	→
2	<b>Button colors:</b> BK = black,*) GY = gray	→	→	→	→	→
3	<b>Contact material:</b> AU = gold, AG = silver	→	→	→	→	→
4	<b>Graphics:</b> on request	→	→	→	→	→
5	<b>Standard color of graphics:</b> WH = white	→	→	→	→	→

\*) REKNH is only available in these colors