SH6 SERIES SUBMINIATURE PUSHWHEEL SWITCHES









FEATURES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

- The smallest panel mounting pushwheel switches available.
- Snap action detent with audible click.
- Black housing & drum with white printing.
- Gangable front and rear mounting models.
- Gold wiping action contacts.
- P.C. board options include solderable lands, fingers or p.c. solder pins.

SH6, SH6G & SH6S SPECIFICATIONS

Panel mounting hole:

Height .590"(15mm) Width .236"(6mm)

Installed depth with p.c. board:

Short .925"(23.5mm) Long 1.213"(30.8mm)

Insertion from front yes Insertion from rear yes

CODES

Code positions marking

131 BCD100-9see truth tables137 BCD comp100-9see truth tables400 change-over10+,-+,-,etc..see truth tables

ELECTRICAL DATA

Operating voltage: 40 V max.

Contact load, static: 0.5 A max.

Contact load, dynamic: 100 mA max.

Contact resistance (type AK): less than 100 mOhm

TECHNICAL DATA

Operating temperature range: -20°C to 80°C
Electric life, min. switching cycles 100,000
Actuation force, approx (oz.): 14
Weight, approx. (grams): 1.5

Character height: .122"(3.1mm)

Audible click yes
Vibration DIN IEC 68, parts 2-6 yes
Shock DIN 40046, part 7 yes

MATERIALS

Body: PPO

PC board: FR 4 DIN 40802

IEC 249-2, Contact surface gold over nickel on copper

Sliding contact: Gold over nickel

on copper alloy

STANDARD COLORS

Housing, Drum, Printing

 $2 = black \quad 3 = white \qquad 2,2,3$

Other special features are available upon

request including:

Factory or customer set stops

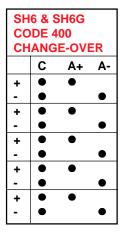
Red digits
Decimal point

Special codes or printing

TRUTH TABLES

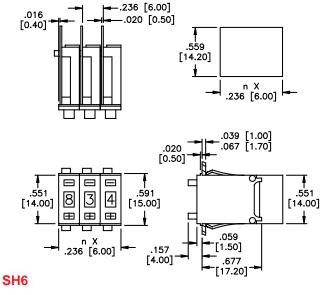
ALL MODELS CODE 131 BCD							
	С	1	2	4	8		
0	•						
1	•	•					
2	•		•				
3	•	•	•				
4	•			•			
5	•	•		•			
6	•		•	•			
7	•	•	•	•			
8	•				•		
9	•	•			•		

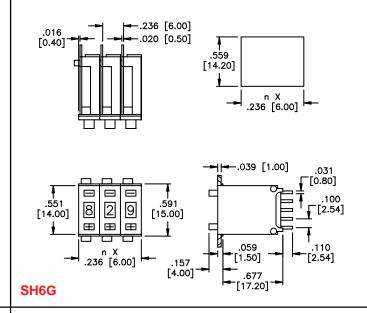
SH6 & SH6G CODE 137 BCD COMP.								
	С	7	2	4	8			
0	•	•	•	•	•			
1	•		•	lacktriangle	•			
2	•	•		•	•			
2	•			•	•			
4 5	•	•	•		•			
	•		•		•			
6	•	•			•			
7	•				•			
8	•	•	•	•				
9	•		•	lacktriangle				

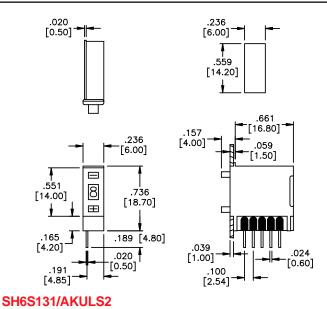


MECHANICAL OUTLINES WITH PANEL CUT-OUTS

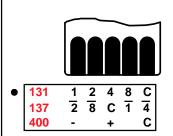
n = number of switches

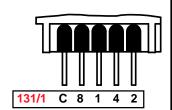






PIN CONNECTIONS





• The switching mode is shorting - i.e. - even during actuation, at least one output is connected to input C.

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