

SCSI SERIES SUBMINIATURE PUSHWHEEL SWITCHES



FEATURES

- The smallest panel mounting pushwheel switches available .
- Designed for SCSI applications.
- ESD protection up to 8KV.
- Integrated front mounting models.
- Recessed actuator buttons.
- P.C. board options include solderable lands or a selection of headers.

SCSI SPECIFICATIONS

Panel mounting hole:	
Height	.562"(14.3mm)
Width	.425"(10.8mm)
Installed depth with p.c. board:	.906"(23mm)
Insertion from front	yes
Insertion from rear	no

CODES

Code	positions	marking	
131 BCD	8	0-7	see truth tables
131 BCD	10	0-9	see truth tables
301	16	0-9,A-F	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 120 mOhm
ESD protection:	8KV max.

TECHNICAL DATA

Operating temperature range:	-20°C to 80°C
Electric life, min. switching cycles	10,000
Actuation force, approx (oz.):	18
Character height, 10 position:	.122"(3.1mm)
Character height, 16 position:	.094"(2.4mm)
Audible click	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 3 = white	2,2,3

Other special features are available upon request including:

- Factory or customer set stops
- Cable harnessing
- Red digits
- Decimal point
- Special codes or printing

SCSI SERIES SUBMINIATURE PUSHWHEEL SWITCHES

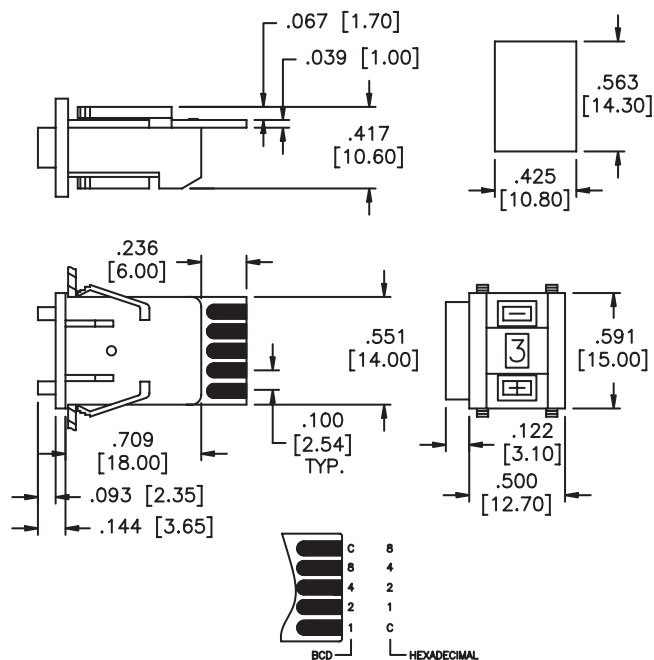
TRUTH TABLES

CODE 131 BCD (10 positions)					
	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		
4	●			●	
5	●	●			●
6	●		●	●	
7	●	●	●	●	
8	●				●
9	●	●			●

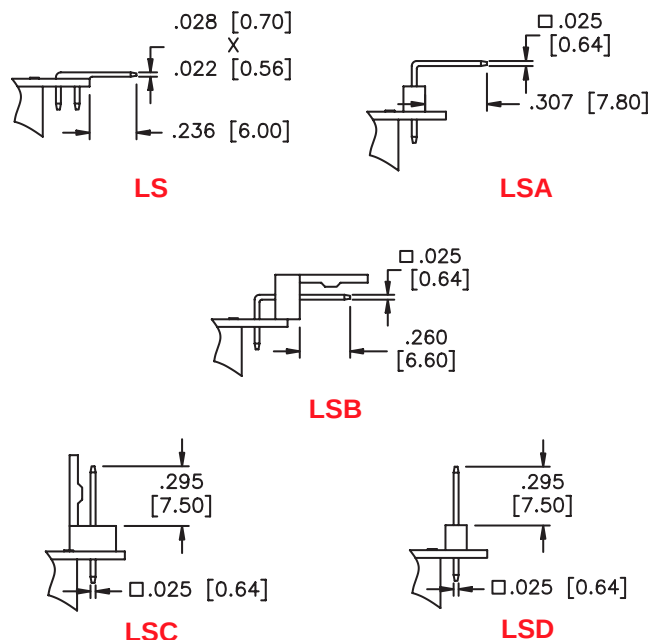
CODE 131 BCD (8 positions)					
	C	1	2	4	8
0	●				
1	●	●			
2	●		●		
3	●	●	●		
4	●			●	
5	●	●			●
6	●		●	●	
7	●	●	●	●	

CODE 301 HEXADECIMAL					
	1	2	4	8	C
0					●
1	●				●
2		●			●
3	●	●			●
4			●		●
5	●		●		●
6		●	●		●
7	●	●	●		●
8				●	●
9	●			●	●
A		●		●	●
B	●	●		●	●
C			●	●	●
D	●		●	●	●
E		●	●	●	●
F	●	●	●	●	●

MECHANICAL OUTLINE WITH PANEL CUT-OUT



HEADER OPTIONS



Ordering information: Below is an order format that enables you to 'build your own switch' and specify the correct switch model number by simply selecting from available options shown and filling in the boxes.

'BUILD YOUR OWN SWITCH' ORDER FORMAT

Series model	Code	P.C. board	Header options	Standard colors	For BCD only
S C S I		A K		2	
	1 3 1 BCD (all models) 3 0 1 Hexadecimal	Short	(NONE) L S L S A L S B L S C L S D	Black housing and drum. White lettering	(NONE) B 0 7 Specify for 8 position BCD model

Example of complete model no.: SCSI131AKLS2B07

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[SCSI131AK2](#)