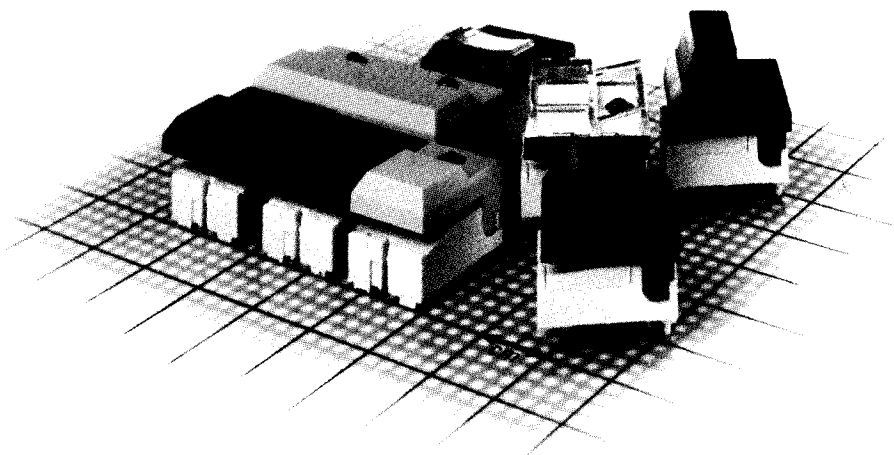


DIGITAST SE Key Switch



A high performance momentary (OA) or push-push (EE) key switch especially for digital input.

- Long operating life.
- Double or triple wide buttons available.
- LED – one or two – optional.
- DIGITAST F with a flat button design F (see page B-22).

General description

The DIGITAST SE is a most versatile electronic switch for printed circuit boards, especially when used with dual in-line packages.

Vibration free, short smooth travel through pivoted button tops.

Available as momentary button switch (OA) as well as push-push action with over-travel release (EE).

Micro SPDT system with tactile feeling.

Two integral molded "standoff" pins for alignment on PC boards.

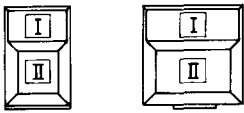
Overall height 14.3 mm [.563 inch], sealed terminals, 1 or 2 LEDs optional to indicate functions.

Ordering code		1	2	3	4	5	6	7	8	
		Example:	SE	R	2L	RD	YEGN	AU	EE	ZWHI
1	Designation: SE	→								
2	Button type: R, T, TC, TH, TI, RH, TV, 2T, 3T, RF, TF, 2TF, TFB, TIF(2L)	→	→							
3	LED illumination: L = 1 LED 2L = 2 LEDs	→		→						
4	Button colors: BK = black, WH = white, GY = grey, BU = blue, RD = red, OG = orange, GN = green, YE = yellow	→			→					
5	LED colors:*) RD = red, GN = green, YE = yellow	→				→				
6	Contact material: AU = gold, AG = silver	→					→			
7	Function: OA = momentary, EE = push-push**)	→						→		
8	Standard graphics: Standard graphics, colors, marking area (colors: BK = black, WH = white, further upon request)	→							→	

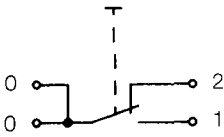
*) With 2 LEDs: the first LED color is always ment for the left LED looking on the button with LEDs on top.

**) Push-push available with buttons: R, T, TC, TH, TI, RF, TF

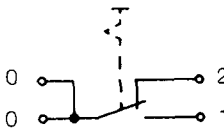
Marking Area DIGITAST



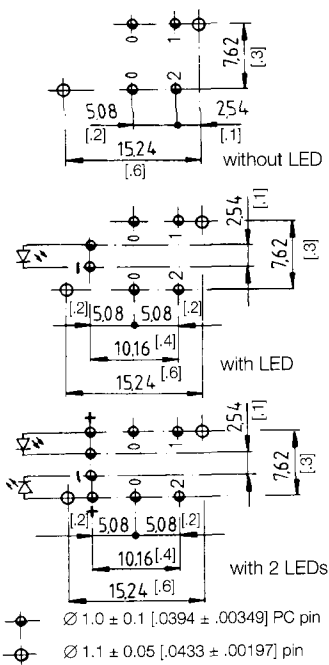
Operating diagram DIGITAST:
Momentary (OA)



Operating diagram DIGITAST:
Push-push (EE)



PCB layout DIGITAST SE: mm [inch]
Soldering side



Construction

Function	Momentary (OA) or push-push (EE) Push-push button switches: select button/styles
Contact arrangement	1 changeover contact (SPDT)
Mode of switching	Non-shorting
Illumination	Optional with 1 or 2 LED ¹⁾
Contacts	PC pins
Mounting	Soldering, centering pins

Electrical data

	Gold
Switching power max.	240 mW DC
Switching voltage max.	24 V DC
Switching current max.	10 mA DC
Spacing current at 20°C (EE)	100 mA
Dielectric strength (50 Hz, 1 Min.)	500 V
Operating life with or without max. switching power	OA: $\cong 5 \times 10^6$ operations EE: $\cong 5 \times 10^5$ operations
Contact resistance initial	$\cong 50$ m Ω
after 5×10^6 operations	$\cong 100$ m Ω
Insulation resistance	$\cong 10^{10}$ Ω
Capacitance at f = 10 kHz	$\cong 0.8$ pF
Contact bounce	$\cong 2.5$ ms
Operating speed 400 mm/s [15.7 inch/s]	

Mechanical data

Total travel	$\cong 3$ mm [.118 inch]
Switching travel	1.5 mm [.0591 inch]
Latching travel	1.8 mm [.0709 inch]
Operating force	1.5 ± 0.5 N [150 \pm 50 grams]

Further data

Contact material	AU over Ni
Insulation material	Thermoplastic
Button colors	Black, white, grey, blue, red, orange, green, yellow
LED-colors	Red, green, yellow
Marking area	Button field I and II (with LED only field II)
Graphics	Please consult factory
Sealing	Sealed contacts for soldering
Max. soldering time and temperature	5 s at 260°C
Operating temperature	- 25°C to + 85°C

¹⁾ Standard: 10 mA; 2 mA on request