

# PHAP33 series

Tact switches

*Distinctive features and specifications*

- Wide range of case formats
- SMT and through-hole models
- Normally closed models available

Models	PHAP3381 PHAP3382 PHAP3383 PHAP3384 PHAP3390 PHAP3391	PHAP3371 PHAP3372 PHAP3373 PHAP3374 PHAP3378	PHAP3355 PHAP3361 PHAP3362 PHAP3363 PHAP3365 PHAP3366	PHAP3301 PHAP3302 PHAP3303 PHAP3305 PHAP3306 PHAP3307 PHAP3308 PHAP3368	PHAP3350 PHAP3351 PHAP3352 PHAP3353	PHAP3320 PHAP3321
Current/voltage rating	50mA 12VDC					
Contact resistance	100 mΩ max.					
Insulation resistance	100 MΩ min.					
Dielectric strength	250 VAC min. (1 minute)					
Electrical life (cycles)	70.000	75.000	30.000	100.000	100.000	100.000
Operating force	1,6N ± 0,5N	1,6N +0,5/-0,3N	1,8N ± 0,5N	1,6N ± 0,5N	2N ± 0,3N	1,6N ± 0,5N
Travel	0,20/ 0,25 mm	0,25 mm	0,25 mm	0,25 mm	0,50 mm	0,30 mm
Operating temperature	-20°C to +70°C					
Storage temperature	-30°C to +80°C					
Vibrations	10-500 Hz / 10 g					
IR reflow soldering	240°C for 20 seconds max.			-		
Wave soldering	255°C for 5 seconds max.					
Manual soldering	300°C for 3 seconds max.					

**Dimensions** : First dimensions are in mm while inches are shown as bracketted numbers.

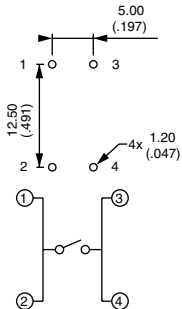
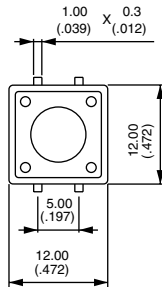
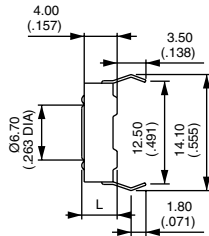


**Packaging unit** : 1.000 pieces and multiples, except for tape and reel packaging (see following pages).

## Straight terminals - short actuator



Model No	Dim. «L»
<b>PHAP3320</b>	4,3 mm
<b>PHAP3320A</b>	7,5 mm



Operating force : 1,6N ± 0,5N - Travel : 0,30 mm