

Technical drawing of a 6.0*6.0*5 mm Tact Switch (HB1L-H030) showing exploded view, dimensions, and specifications.

Exploded View: Shows the assembly components labeled A through G. A: Housing, B: Base, C: Spring, D: Contact, E: Insulator, F: Terminal, G: Button.

Dimensions:

- Overall width: 6.5mm
- Overall height: 5.0mm
- Base width: 7.8mm
- Base height: 4.5mm
- Button diameter: $\phi 2.65$
- Button height: 4-0.7mm
- Terminal spacing: 6.5mm
- Terminal height: 4.5mm

PCB WELDING DRAWING: Shows the terminal layout with dimensions 6.5mm and 4.5mm.

Circuit Diagram: Shows the switch symbol with terminals 1, 2, 3, and 4.

Specifications:

Item	Specification
Rated current/voltage	50mA DC12V
Contact resistance	$\leq 100m\Omega$
Operating force	$\pm 50gf$
Travel	$0.30 \pm 0.15mm$
Insulated resistance	$\geq 100M\Omega$
Dielectric strength	$\geq 250VAC/1min$

Material and Finish:

Item	Material	Finish
G	PPA	Red
F	Brass	Gold plating
E	Silicone	Black
D	PC	Orange
C	Spring	Plating
B	PPA	Black
A	Brass	Plating

General Tolerance:

Item	Dimension	Tolerance
DESIGN	WANGGUIFA	2023.06.12
CHECKED	ZHENGUILAN	2023.06.12
APPROVED	LILIANJIANG	2023.06.14

Samzo Components: Electronic switch and connector manufacturer.