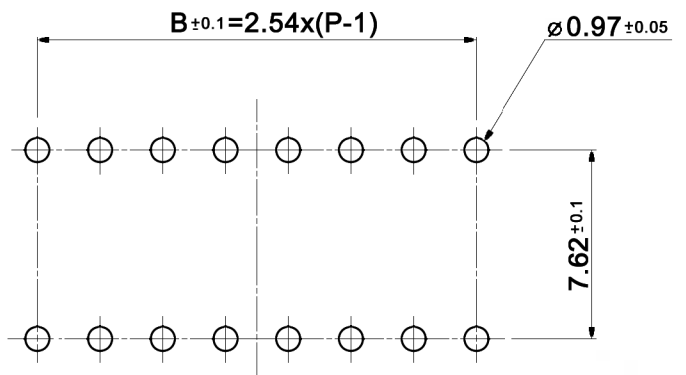


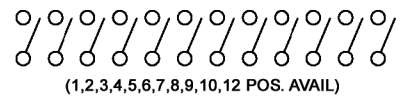
xx	Poles	A	B
01	1	3.90	-
02	2	6.44	2.54
03	3	8.98	5.08
04	4	11.52	7.62
05	5	14.06	10.16
06	6	16.60	12.70
07	7	19.14	15.24
08	8	21.68	17.78
09	9	24.22	20.32
10	10	26.76	22.86
12	12	31.84	27.94

P.C.B. LAYOUT



Date code Y	Year	Date code M	Month
3	2013	1	January
4	2014	...	...
5	2015	9	September
6	2016	X	October
		Y	November
		Z	December

SCHEMATIC



Compliance: RohS III (2015/863/EU)

Tolerances:	over 10: ±0.20mm	Date	Name
	below 10: ±0.10mm	09/14	dr
Revised	09/20	dr	
Modifications	Date	Name	

**DBS 21xx y**

**30 31 75**

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**knitter-switch**

**Specifications:**

**Contact rating:** non-switching: 100mA, 50V DC  
switching: 25mA, 24V Dc

**Contact resistance:** 50mOhm max.

**Insulation resistance:** 100MOhm min. at 500V DC for 1 minute +/-5sec.

**Dielectric strength:** 500V AC(50/60Hz) for 1 minute

**Operating teperature:** -40°C to +85°C

**Storage temperature:** -40°C to +85°C

**Mechanical life:** 2 000 cycles

**Operating force:** 1 000gf max.

**Soldering conditions:** 260 +/-5°C, 5 +/-1sec.

**Vibration:** Shall be vibrated in accordance with method 201A of MIL-STD-202F  
Frequency: 10-55-10 Hz 1min/cycle  
Direction: 3 vertikal directions including the direction of operation  
Test time: 2 hours each direction

**Shock:** Shall be shocked in accordance with method 213B condition A of MIL-STD-202F  
Acceleration: 50G  
Action time: 11 +/-1 msec.  
Testing direction: 6 sides  
Test cycle: 3 times in each direction

**Material:** Actuator: thermoplastic PBT UL94V-0, white  
Cover: thermoplastic PBT UL94V-0  
Contact: alloy copper, gold plated  
Terminal: brass, gold plated  
Terminal seal: epoxy  
Base: thermoplastic PA66 UL94V-0, black  
Tape: blended silicone and rubber

y	Case colour / Tape
empty	red case / no tape seal
F	red, case / top tape sealed
B	blue case / no tape seal
BF	blue case / top tape seal
SW	black case / no tape seal
SWF	black case / top tape sealed

Compliance: RohS III (2015/863/EU)

Tolerances: over 10: ±0.20mm below 10: ±0.10mm		Date	Name	<b>DBS 21xx y</b>
		09/14	dr	
		<b>knitter-switch</b>		<b>30 31 75</b>
Revised	09/20	dr		Page 2/2
Modifications	Date	Name		