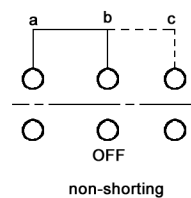
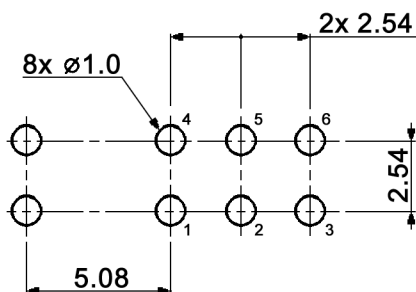


CIRCUIT DIAGRAM



P.C.B. MOUNTING



Compliance: RohS II (2011/65/EU)

Tolerances: up to 10: ±0.2mm above 10-50: ±0.3mm	Date	Name
	02/12	dr
ESD resistance	07/14	dr
Revised	05/13	dr
Modifications	Date	Name

FT 2 x-VM

30 25 54

Page

1/2

knitter-switch

Specifications:

Contact rating: max.: 0.15A, 25V DC
 min.: 1µA, 20mV DC
 Contact resistance: 100mOhm max.
 Insulation resistance: 500MOhm min. at 250V DC for 1 minute
 Dielectric strength: 250V AC (50/60Hz, 2mA) for 1 minute
 Operating temperature: -40°C to +85°C
 Mechanical life: 50 000 cycles
 Operating force: 150 +/-100gf
 Soldering conditions: 260°C, 10 +/-1sec.; pre-heat: 100°C, 100sec.
 ESD resistance: 8kV min. (between actuator and terminals)
 Washable by water or alcohol-based cleaners
 Material:

- 1 - Actuator: PA66, yellow
- 2 - Spring: stainless steel, temper
- 3 - Housing: PA66, black
- 4 - Plastic washer: silicone rubber, black
- 5 - Plate: brass, 0.7µm tin plated
- 6 - Contact: phosphor bronze, 0.6µm gold plated over 1.3µm nickel
- 7 - Copper pillar: HPB58-3, 3µm nickel plated
- 8 - Base: PA46, black
- 9 - 0.6µm gold plated over 1.3µm nickel

x	Switching function	Connection in pos. a	Connection in pos. b	Connection in pos. c
D	on - on	2-3, 5-6	–	1-2, 4-5
E	on - off - on	2-3, 5-6	none	1-2, 4-5

Compliance: RohS II (2011/65/EU)

Tolerances: up to 10: ±0.2mm above 10-50: ±0.3mm		Date	Name	FT 2 x-VM
		02/12	dr	
		knitter-switch		30 25 54
				Page 2/2
Modifications	Date	Name		