

knitter-switch

Product-Change Notification

Products affected: MFP 121 D-RA

Effective date: after current stock is sold out

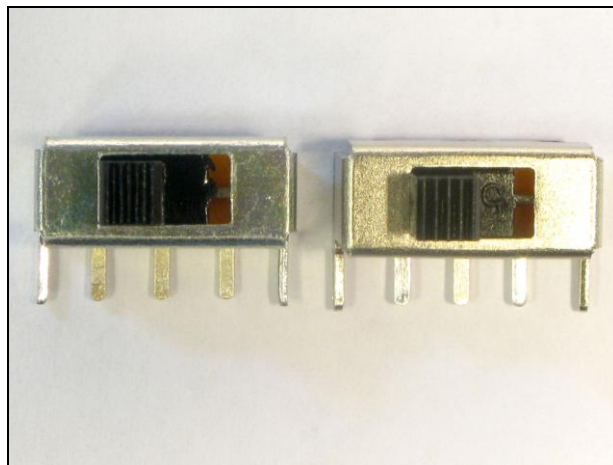
Details:

Due to factory relocation caused by non-availability of part components the product was revised.

Technical data, especially rating, were re-defined to meet today's requirements regarding signal switching (DC-rating).

The bill of material is updated as well (e. g. remove of Zinc plating, move from PC to PA46 plastic for slider material).

The terminal pitch changes slightly from 3.2 to 3.0 mm.



Old (drawing 30 11 24) New (30 38 89)

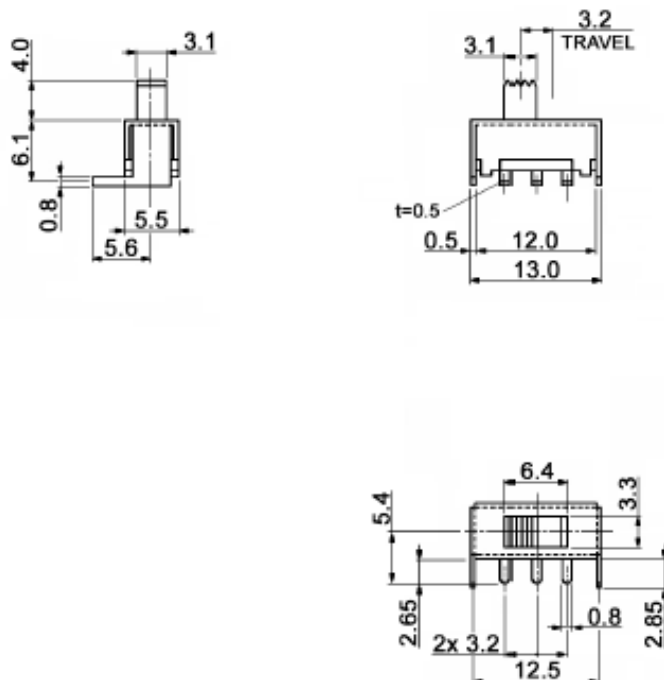
See attached data-sheets for details.

Knitter-switch, June 2017

A handwritten signature in black ink that reads "Oliver Kluj".

Oliver Kluj
Technical Director

knitter-switch



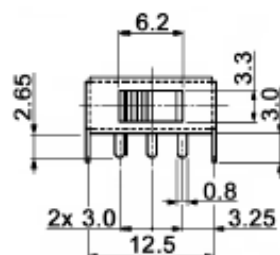
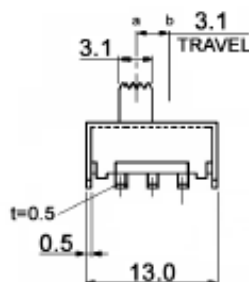
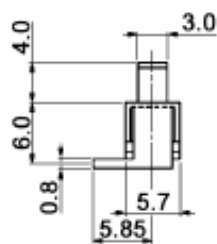
Specifications:

Contact rating:	0.3A, 125V AC (50-60Hz)
Contact resistance:	20mOhm max.
Insulation resistance:	100MOhm min. at 500V DC
Dielectric strength:	500V AC for 1 minute
Mechanical life:	10 000 cycles
Operating force:	150 +/-100gf
Soldering conditions:	240°C max.; 5 sec. max. only the terminals can be soldered
Timing:	non-shorting
Material:	Frame: SPC-SD, CR3 ZNC Knob: polycarbonate, UL 94-HB Stator: phenol resin laminated sheet, UL 94-HB Terminal: BSR EH, silver plated Contact: PBS, silver plated Spring: SWC, temper Steel ball: SUJ

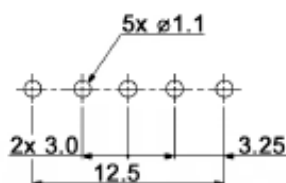
Compliance: RohS II (2011/65/EU)

Tolerances: ±0.2mm		Date	Name	MFP 121 D-RA	
		05/07	dr		
Dimensions	10/16	dr	knitter-switch	30 11 24	Page
Revised	09/16	dr			1/1
Modifications	Date	Name			

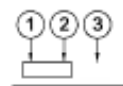
knitter-switch



HOLE LAYOUT TOP VIEW $\oplus 0.05$



CIRCUIT DIAGRAM
C: COMMON PIN
BOTTOM VIEW



Specifications:

- Contact rating: 0.2A, 30V DC
- Contact resistance: 30mOhm max.
- Insulation resistance: 100MOhm min. at 500V DC
- Dielectric strength: 500V AC (50/60Hz, 2mA) for 1 minute
- Operating temperature: -10°C to +60°C
- Mechanical life: 5 000 cycles
- Operating force: 150 +/-70gf
- Soldering conditions: 260°C max., 5 +/-1sec non-shorting
- Timing:
- Material: Terminal / contact plate: brass strip, silver plated
Frame: SPCC, nickel plated
Base: phenolic resin, natural
Spring: SWC, temper
Slider: nylon, black

Compliance: RohS II (2011/65/EU)

Tolerances: up to 10: ±0.2mm above 10-50: ±0.3mm		Date	Name	MFP 121 D-RA
		06/17	dr	
			knitter-switch	30 38 89
Modifications		Date	Name	Page 1/1