

knitter-switch

Product-Change Notice P2021-10

Products affected: TSSE 310 S

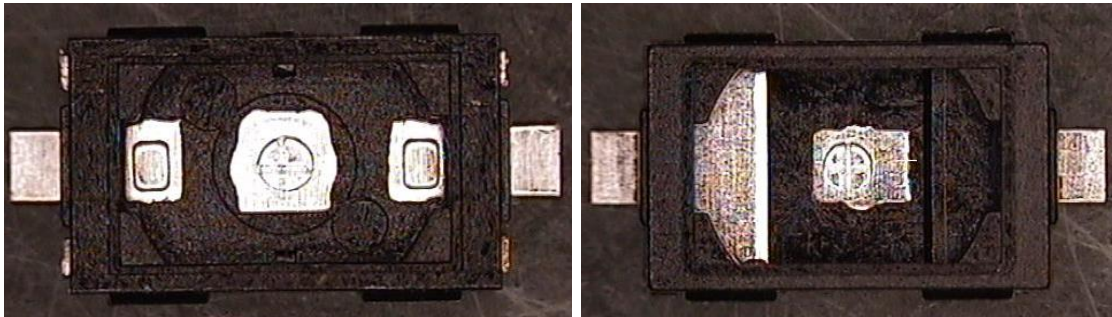
Effective date: from September 2021 production

Details:

In course of new mold introduction caused by irreparable damage of cavities after 14 years the switch design was slightly revised.

This change is not affecting usability and specification of the product.

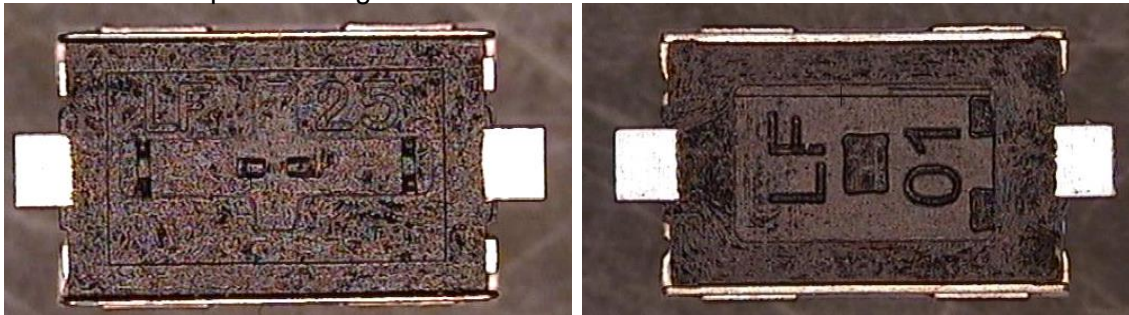
Details (left photo: old version, right photo: new version):



Inside: Fixed contact is optimized in order to achieve better contact.

Plastic resin is changed from PA46 to PPA (lower humidity absorption rate)

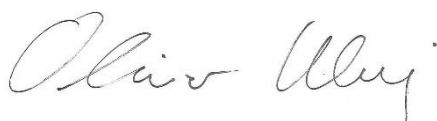
Identification of product stage:



Bottom side: the revised products come with easily readable mold numbering

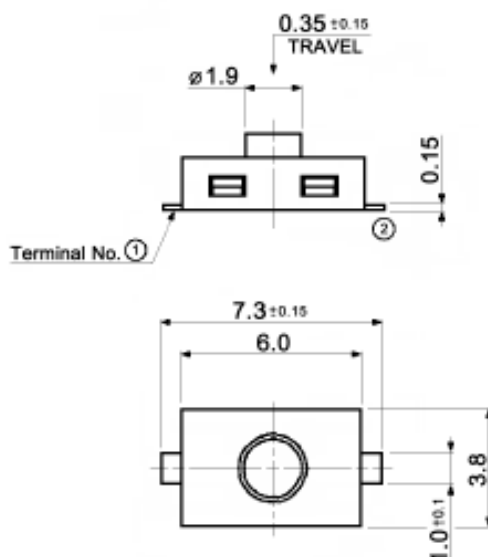
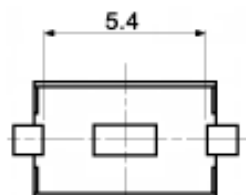
Old and new data-sheet attached for comparison.

Knitter-switch, July 2021

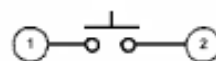


Oliver Kluj
Technical Director

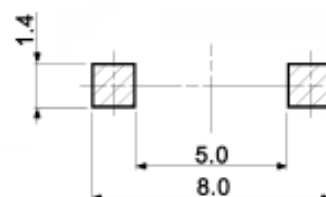
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CIRCUIT DIAGRAM



P.C.B. LAYOUT

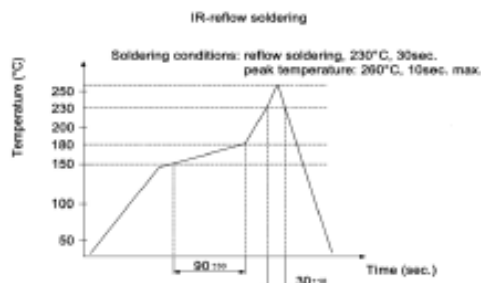


Specifications:

Contact rating: min.: 1mA, 20mV
 max.: 50mA, 32V DC
Contact resistance: 100mOhm max.
Insulation resistance: 100MOhm min. at 100V DC for 1 minute
Dielectric strength: 100V AC for 1 minute
Operating temperature: -40°C to +85°C
Storage temperature: -55°C to +85°C
Mechanical life: 1 000 000 cycles
Material: Terminal: C5191, silver plated
 Case: PA46, UL94HB, black
 Contact plate: stainless steel, silver plated
 Cover: stainless steel, washing
 Stem: silicon rubber, black
IP rating: IP67

x	Operating force
S	3.5 +/-0.9N

Soldering conditions:



Compliance: RohS II (2011/65/EU)

Tolerances: ±0.2mm		Date	Name
		05/09	dr
Travel	10/14	dr	
Operating force	03/11	dr	
Flammability	02/11	dr	
Modifications	Date	Name	

TSSE 310 x

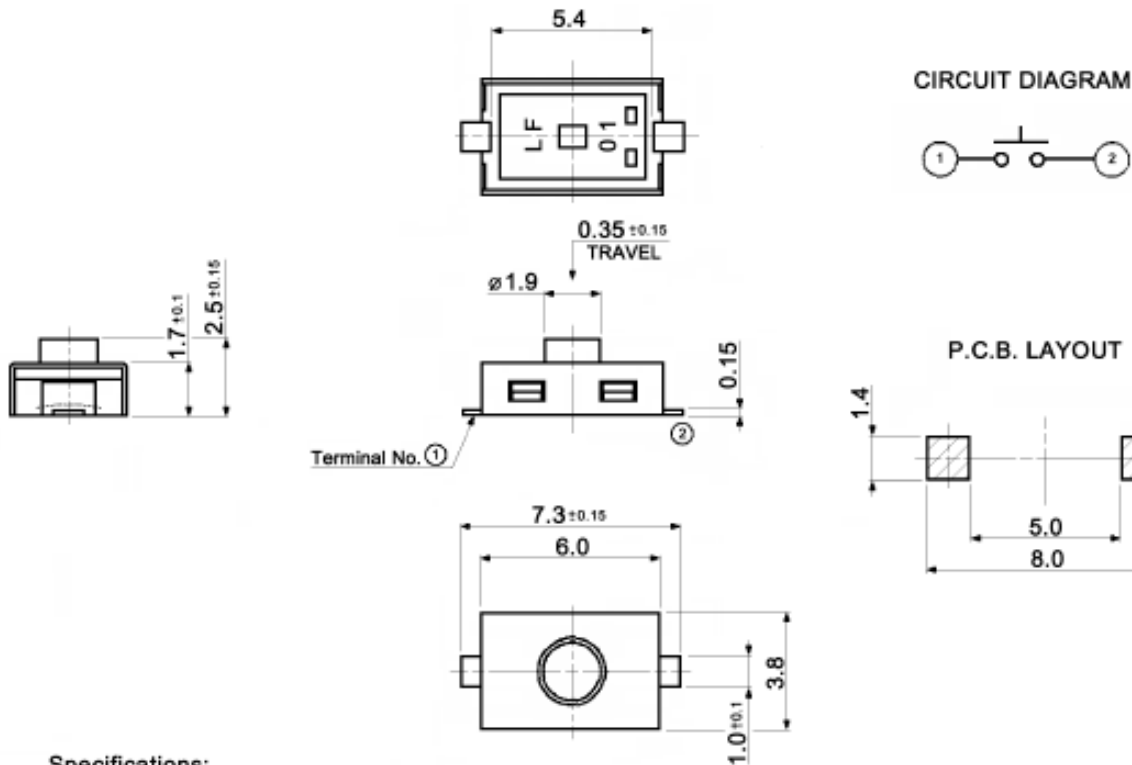
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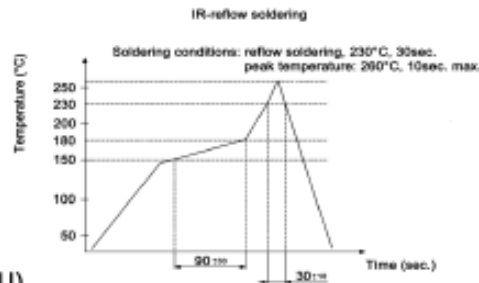


Specifications:

Contact rating: min.: 1mA, 20mV
 max.: 50mA, 32V DC
Contact resistance: 100mOhm max.
Insulation resistance: 100MOhm min. at 100V DC for 1 minute
Dielectric strength: 100V AC for 1 minute
Operating temperature: -40°C to +85°C
Storage temperature: -55°C to +85°C
Mechanical life: 1 000 000 cycles
Material: Terminal: C5191, silver plated
 Case: PPA, UL94HB, black
 Contact plate: stainless steel, silver plated
 Cover: stainless steel, washing
 Stem: silicon rubber, black
IP rating: IP67

Soldering conditions:

x	Operating force
S	3.5 +/-0.9N



Compliance: RohS III (2015/863/EU)

Tolerances: ±0.2mm		Date	Name	TSSE 310 x
		05/09	dr	
Appearance	07/19	dr		
Travel	10/14	dr		
Operating force	03/11	dr	knitter-switch	30 18 31
Flammability	02/11	dr		
Modifications	Date	Name		1/2