





Specifications

Function	Momentary action		
Contact Arrangement	SPDT		
Terminals	SMT termination		
Travel	0.3 ± 0.2 mm		

Electrical Characteristics

Voltage	DC 1V to 16V
Current	10μA to 50mA
Contact Resistance	200 m Ω max. 500 m Ω max. After testing
Insulation Resistance	100 M Ω min.
Dielectric Voltage	AC 250V

Environmental Characteristics

Operating Temperature	-40°C to 90°C
Storage Temperature	-40 C to 90 C

Description

The TLSM series of sealed tactile switches for SMT are IP54 rated, 3.45mm high Single Pole Double Throw tactile switches, featuring a soft actuator. They offer an outstanding lifespan of 2 Mio cycles and an operating force of 2N.

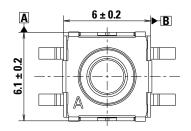
Features & Benefits

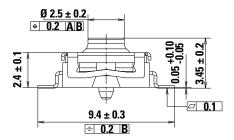
- SPDT NC-NO function
- Long life 2M cycles
- 6.0 x 6.1 mm dimension
- IP54
- Soft actuator 3.45mm high

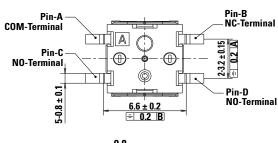
Applications

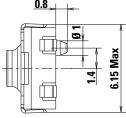
- Elevator button
- Industrial equipment
- EV charging gun

Dimensions (mm)









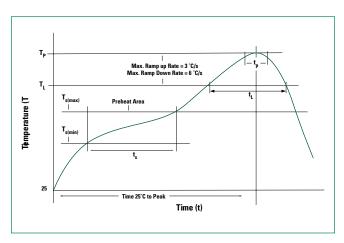




Mechanical Characterisitics

Sample	Style	Force (N)	Life cycles	Travel (mm)
TLSMDT3020GLFS	Gull wing	2.0 +/- 0.5	2,000,000	0.3 ± 0.2

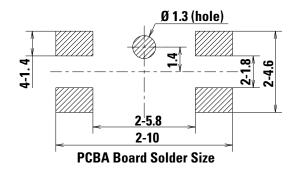
Soldering Profile

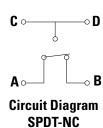


Тр	Peak package body temperature 260°C		
TL	Liquidous temperature 217°C		
Ts	Preheat temperature 150-200°C		
ts	Preheat time 60-120s		
tp	30s		
tL	60-150s		

Soldering: This component is suited to the following methods: Infrared Reflow Soldering in accordance with IEC61760-1

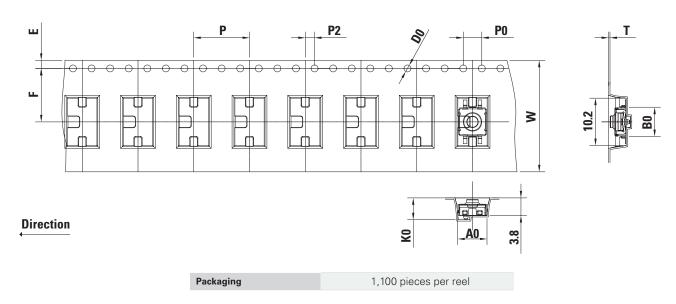
Pad Layout Dimensions (mm)





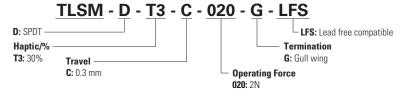


Packaging Dimensions (mm)



Ordering Number

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. For any part number different from those listed above, please consult your local representative.



Liability Limitation

This datasheet does not provide enough information for applications that require a certain level of quality or safety such as automotive, medical systems, or safety equipment. Please contact customer service for the contractual specification package.

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