

Product Description

TR series offers extremely high switching reliability with the need of very little space. They can be arranged as single keys, in rows or key blocks. When arranged under an overlay, TR keyswitches should be combined with plungers.

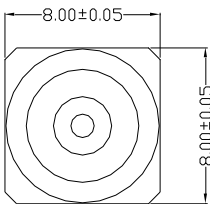
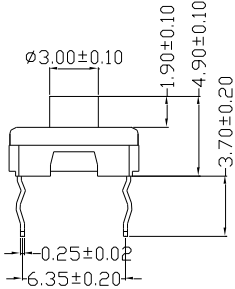
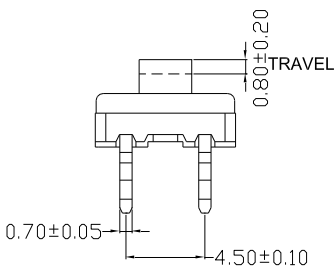
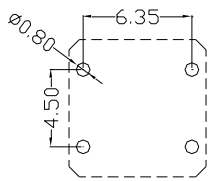
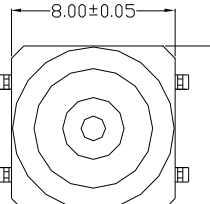
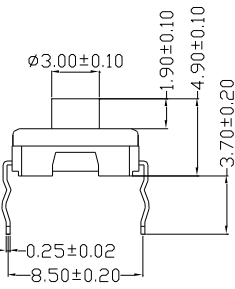
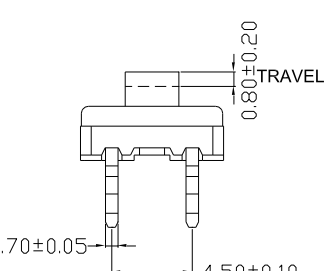
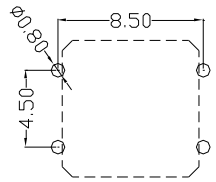
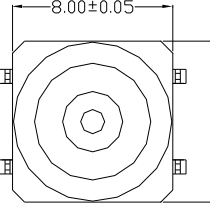
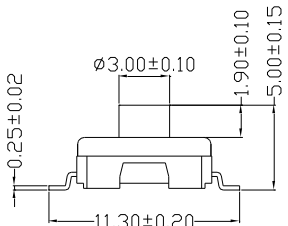
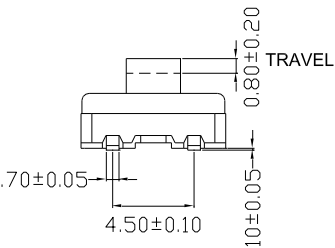
The features at a glance

- Suitable for most common soldering methods:
 - Wave soldering bath for print versions
 - Reflow soldering (SMD)
 - Manual soldering
- 5,000,000 operations
- Actuation Force: 250gf, 350gf and 650gf

Specifications

Contact rating	42V AC/DC, 100mA
Contact resistance	100mΩ max.(Initial)
Insulation resistance	100MΩ at 100V DC
Dielectric strength	250V DC, 50 Hz for the duration of 1 minute
Operating temperature	-40 °C to +80 °C
Resistance to constant environment	according to IEC 600 68-2-3 and 2-30
Resistance at variable environment	according to IEC 600 68-2-14 and 2-33
Mechanical life	5,000,000 operations
Solderability / Solder heat resistance PCB version	IEC 600 68-2-20
Solderability / Solder heat resistance SMD version	EN 61760-1 and DIN IEC 600-68-2-58
Flammability of materials	UL 94 HB
Water proofing	IP67 grade
Actuation force	3.5N +/- 0.6N(Standard)
Mounting	on PC-board THT and SMD type



TR8		Dimensions			
Solder terminal for PCB, inward	<p>TR8H1</p> 			<p>DRILLING PLAN</p> 	
	Solder terminal for PCB, outward	<p>TR8H2</p> 			<p>DRILLING PLAN</p> 
		SMD gullwing terminal	<p>TR8S</p> 		

Switch + Plunger



TR8		Dimensions		
Plunger PLG 8.0x6.5	PLG 8.0x6.5 			DRILLING PLAN
	PLG 8.0x12.5 			SMD SOLDERING PAD

Order information

TR8	H1	3	—	R	—	U
TR8 series	Mounting H1: Thru-hole(inward) H2: Thru-hole(outward) S: SMD	Actuation Force 2: 250gf/ 2.5N 3: 350gf/ 3.5N (standard) 6: 650gf/ 6.5N		Packing None: Tube R: Tape & Reel		None: RoHS & REACH compliant (standard) U: Halogen Free

Plunger codes

- PLG 8.0x6.5mm
- PLG 8.0x7.0mm
- PLG 8.0x12.5mm