BIWIN / Sab





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 600gf

Specifications

Contact rating Contact resistance Insulation resistance Dielectric strength Operating temperature

Resistance to constant environment Resistance at variable environment

Mechanical life

Solderability / Solder heat resistance PCB version Solderability / Solder heat resistance SMD version

Flammability of materials

Water proofing Actuation force











42V AC/DC, 100mA $100m\Omega$ max.(Initial) $100M\Omega$ bei 100V DC 250V DC, 50 Hz for the duration of 1 minute -40°C to +80°C

according to IEC 600 68-2-3 and 2-30 according to IEC 600 68-2-14 and 2-33

5,000,000 operations IEC 600 68-2-20

EN 61760-1 and DIN IEC 600-68-2-58

UL 94 HB **IP67**

3.5N +/- 0.6N(Standard)

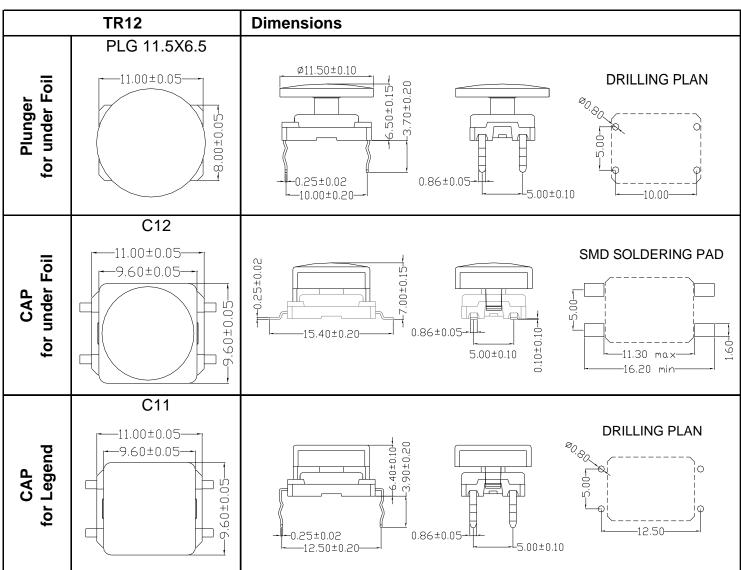
Mounting		on PC-board THT and SMD type
	TR12	Dimensions
minal	TR12H1	Ø3.00±0.10 Ø3.00±0.10 Ø3.00±0.10 Ø3.00±0.10 Ø3.00±0.10 Ø3.00±0.10
Solder terminal for PCB, inward	8.00±0.05	0.86±0.05
Solder terminal for PCB, outward	TR12H2	DRILLING PLAN #3.00±0.10 #0.25±0.02 12.50±0.20 DRILLING PLAN 12.50 DRILLING PLAN
SMD gullwing terminal	TR12S	SMD SOLDERING PAD 000 000 000 000 000 000 000 000 000 0





Switch + Plunger / Cap





Order information



6: 650gf/ 6.5N

3: 350gf/ 3.5N (standard)

Plunger/Cap codes

PLG 11.5x6.5mm C11: 11mm Sqaure(for Legend)

S: SMD

C12: 11mm Square

Cap Color codes 00: Blue 06: White 08: Red 02: Green 03: Light Grey 09: Black 04: Yellow 01: Frosted 05: Dark Grey 11: Transparent R: Tape & Reel