

SMT TR series

Surface mount subminiature washable
rocker switches



DISTINCTIVE FEATURES

Tape and reel packaging

Reflow solderable

Available with positioning pins

Protected against electrostatic discharges (ESD) up to 10 KV

Washable



ENVIRONMENTAL SPECIFICATIONS

- Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)
- Moisture resistance : 21 days per IEC 512-6 test 11c
- Vibration resistance : 10-500 Hz / 10 g per IEC 512-4 test 6d
- Shock resistance : 50 g per IEC 512-4 test 6c



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
0.4 VA 20 V max. AC or DC
- Minimum load : 10 mA 50 mV or 10 µA 5 VDC
- Initial contact resistance : 20 mΩ max
- Insulation resistance : 1,000 MΩ min. at 500 VDC
- Dielectric strength :
1,000 Vrms. 50 Hz min. between terminals and frame
500 Vrms. 50 Hz min. between terminals
- Electrical life at full load :
- 2 position switches : 60,000 cycles
- 3 position switches : 30,000 cycles
- Static resistance : 10 KV (Schaffner equipment)



MATERIALS

- Case : high temperature plastic material UL94-V0
- Actuator : high temperature plastic rocker
- Ground plate and positioning pins : steel, tin plated
- Contacts : brass, gold plated
- Terminals : brass, with pure tin plating over nickel barrier

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

The company reserves the right to change specifications without notice.



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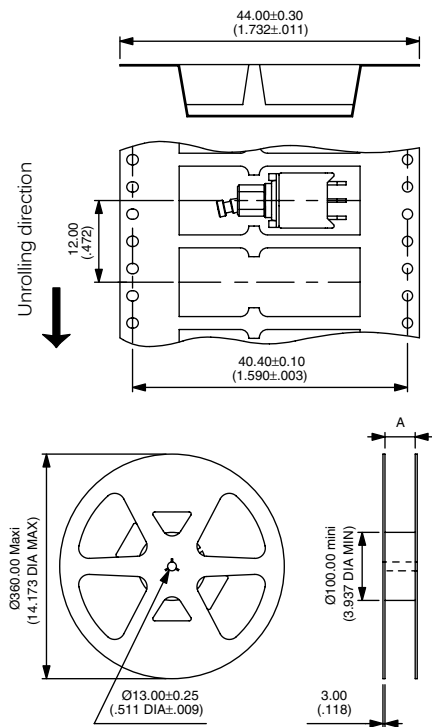


SOLDERING AND CLEANING

- Reflow soldering : infrared, vapor phase or infrared convection
- Washable per IEA-RS448-2 :
 - water + detergent - preferred
 - solvents
- Further information on reflow soldering : see "Technical information" on website.



PACKAGING



Tape width	24.00 (.944)	44.00 (1.732)
Reel (dimension A)	24.40+2.00/0.00 (.960+.078/.000)	44.40+2.00/0.00 (1.748+.078/.000)

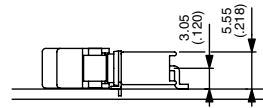
Standard packaging unit : 700 pieces

Tape meeting international standard IEC - Publication 286-3 (EIA481A)

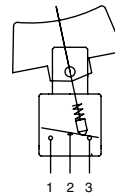
Start leader : 400 mm min.



MOUNTING



ELECTRICAL FUNCTIONS



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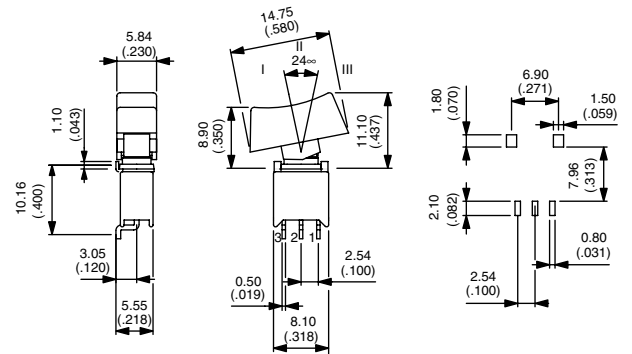
Surface mount subminiature washable rocker switches

WITHOUT POSITIONING PINS



TR36WS80000	ON	-	ON
TR39WS80000	ON	OFF	ON
TR37WS80000	MOM	OFF	MOM
TR38WS80000	ON	OFF	MOM
TR32WS80000	ON	-	MOM

Supplied without rocker.

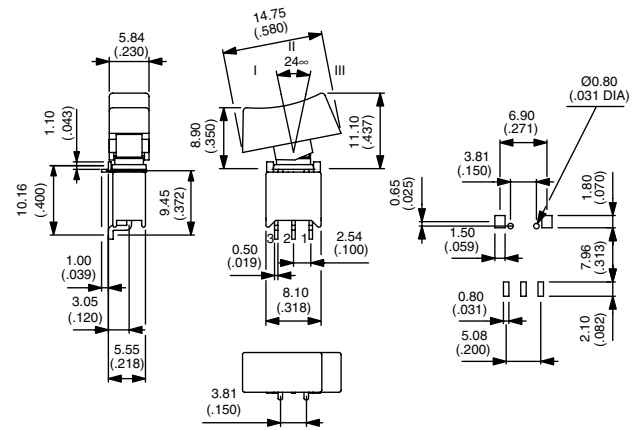


WITH POSITIONING PINS



TR36WS80065	ON	-	ON
TR39WS80065	ON	OFF	ON
TR37WS80065	MOM	OFF	MOM
TR38WS80065	ON	OFF	MOM
TR32WS80065	ON	-	MOM

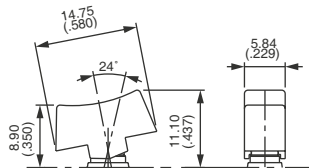
Supplied without rocker.



ROCKERS

Order separately.

U4700



For rocker colors, replace last "0" by number :

- | | | | |
|-----|-----------|-----|--------|
| 1 | Blue | 5 | Yellow |
| 1/4 | Dark blue | 6 | Red |
| 2 | Black | 7 | Ivory |
| 3 | Green | 7/1 | White |
| 4 | Grey | 9 | Orange |