

TIL, TIG, TIH, TII-Series



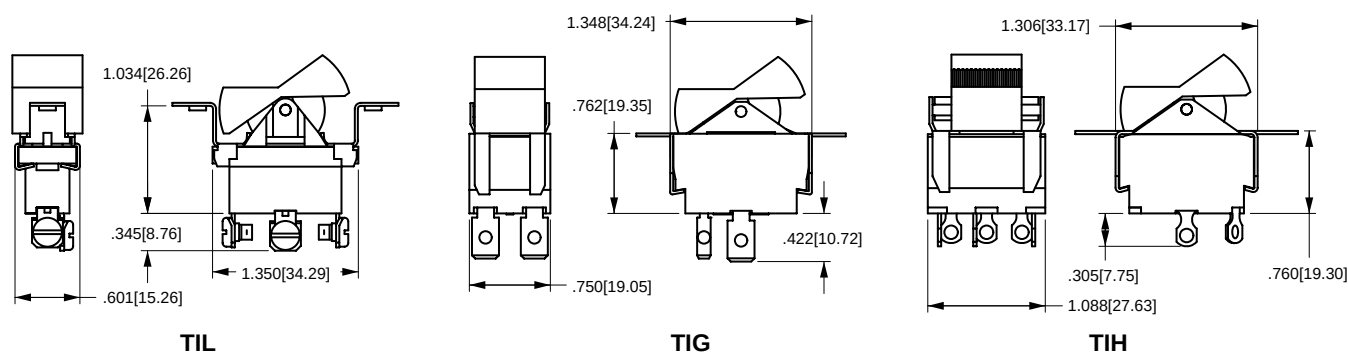
The TI-Series Tippet rocker switches are available in single pole (TIL), double pole (TIG), three pole (TIH) and four pole (TII) versions. These switches are available with nylon snap-in or screw-type mounting brackets, are AC rated to 20 amps and suitable for low voltage DC applications. Multiple actuator options and colors are available, and many circuits have international approvals.

Specifications

- Certifications*: UL, CSA, and VDE
- Dielectric Strength: 1,000 V (minimum)
- Insulation Resistance: 100 Megohms (minimum)
- Base Material: Phenolic
- Actuator Material: Nylon
- Bracket/Bezel Material: Nylon or Steel

* Due to ongoing technological advances, consult factory for certification specifics.

Dimensional Specifications: in. [mm]



TIG		K	5	1	-	6S	-	BL	-	NBL	
SERIES		CIRCUIT		RATING ¹			ACTUATOR STYLE ²		ACTUATOR COLOR ³		
TIL	SINGLE POLE	SINGLE POLE		5	10A 250VAC			1C	CROSS SERRATED	BL	BLACK
TIG	DOUBLE POLE	A	ON-NONE-OFF		15A 125VAC			1F	SMOOTH W/ FLATTED CENTER	WH	WHITE
TIH	THREE POLE	B	ON-NONE-ON		3/4HP 125-250VAC			1L	LONG LINED		
TII	FOUR POLE	C	ON-OFF-ON	6	3A 250VAC			1S	SMOOTH ANGLED	BRACKET STYLE ⁴	
					6A 125VAC			2L	LONG NARROW		
			DOUBLE, THREE OR FOUR POLE		1/4HP 125-250VAC				SMOOTH	A	
		K	ON-NONE-OFF	9	10A 250VAC			6M ⁵	MATTE CURVED (M, N OR W BRACKETS ONLY)	B	
		L	ON-NONE-ON		15A 125VAC					C	
		M	ON-OFF-ON		12(6)A 250VAC T85			6S	SMOOTH CURVED (M, N OR W BRACKETS ONLY)	H	
				72	20A 125-277VAC					FN	NARROW
					1 1/2HP 125VAC					FW	WIDE
					2HP 250VAC			7N	WITCHES HAT (NARROW)	MBL	MARINE
								7P	WITCHES HAT	NBL	
								7S	TOGGLE	WBL	WATERSHEDDING

NOTES:
Shading indicates standard configurations.
Dust covers for single and double pole are available, consult factory.
Panel Cut-Out Recommendations: For sheet metal panels, switch must enter panel in same direction as the punch. (Burr on bottom.) Test cut hole in actual material.

1

Horsepower rating for code 5 is applicable to certain circuits only.
Consult factory for specifics.
Rating Code 9 for TIG-Series only with maintained A, B, K, L and M Circuits, and N Bracket Style, terminals 0 or 1 only.
Rating Code 72 for TIG-Series only, in maintained circuits, with N or W Bracket Style only.

2

For double actuator with or without interlock or other actuator styles,consult factory.
Imprinting available on smooth face rockers.

3

Glossy finish is standard. Custom colors are available. Consult factory.

4

Barbs are available on FN style bracket to accommodate panel thicknesses of .062, .100, .125, .156 and .250. Specify after bracket selection. (ex.) FN/125
MBL, NBL & WBL brackets are molded in black. If white is desired, specify as MWH, NWH & WWH.
Bracket Styles D, E and G available. Consult factory.
Bracket Style M consists of LNP rocker, neoprene seal, syntech grease, dummy rivets. M, N and W brackets supplied in two pole bases.
MBL does not have UL, CSA approvals.
Bracket style H available with actuator styles 7N and 7P only.

5

Actuator & Bracket. Finish is a matched set.

TERMINATION/FUNCTION

FUNCTION	SOLDER LUG	.250 TAB (QC)	.187 TAB (QC)	SCREW TERM.	WIRE LEAD	PC TERM.
ON-NONE-OFF	0	1	3	4	5	6
(ON)-NONE-OFF	A	B	D	E	F	G
ON-NONE-(OFF)	L	M	R	S	T	U
ON-NONE-ON	0	1	3	4	5	6
ON-NONE-(ON)	A	B	D	E	F	G
ON-OFF-ON	0	1	3	4	5	6
ON-OFF-(ON)	A	B	D	E	F	G
(ON)-OFF-(ON)	L	M	R	S	T	U

NOTES:

Shading indicates standard configurations.

Dust covers for single and double pole are available, consult factory.

Panel Cut-Out Recommendations: For sheet metal panels, switch must enter panel in same direction as the punch. (Burr on bottom.) Test cut hole in actual material.

¹ Horsepower rating for code 5 is applicable to certain circuits only. Consult factory for specifics.

Rating Code 9 for TIG-Series only with maintained A, B, K, L and M Circuits, and N Bracket Style, terminals 0 or 1 only.

Rating Code 72 for TIG-Series only, in maintained circuits, with N or W Bracket Style only.

² For double actuator with or without interlock or other actuator styles, consult factory.

Imprinting available on smooth face rockers.

³ Glossy finish is standard. Custom colors are available. Consult factory.

⁴ Barbs are available on FN style bracket to accommodate panel thicknesses of .062, .100, .125, .156 and .250. Specify after bracket selection. (ex.) FN/.125

MBL, NBL & WBL brackets are molded in black. If white is desired, specify as MWH, NWH & WWH.

Bracket Styles D, E and G available. Consult factory.

Bracket Style M consists of LNP rocker, neoprene seal, syntech grease, dummy rivets. M, N and W brackets supplied in two pole bases.

MBL does not have UL, CSA approvals.

Bracket style H available with actuator styles 7N and 7P only.

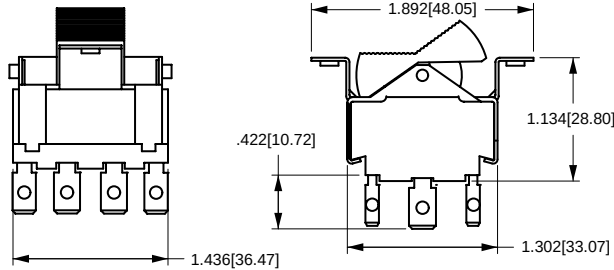
⁵ Actuator & Bracket Finish is a matched set.

TERMINATION/FUNCTION

FUNCTION	SOLDER LUG	.250 TAB (QC)	.187 TAB (QC)	SCREW TERM.	WIRE LEAD	PC TERM.
ON-NONE-OFF	0	1	3	4	5	6
(ON)-NONE-OFF	A	B	D	E	F	G
ON-NONE-(OFF)	L	M	R	S	T	U
ON-NONE-ON	0	1	3	4	5	6
ON-NONE-(ON)	A	B	D	E	F	G
ON-OFF-ON	0	1	3	4	5	6
ON-OFF-(ON)	A	B	D	E	F	G
(ON)-OFF-(ON)	L	M	R	S	T	U

Special Circuits for Tippette Rocker Switches

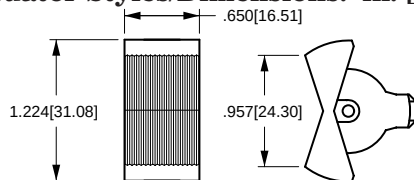
CIRCUIT	POSITION 1	POSITION 2	POSITION 3
PROGRESSIVE TWO CIRCUIT			
GG	BOTH CIRCUITS ON	ONE CIRCUIT ON	OFF
GG	BOTH CIRCUITS (ON)	ONE CIRCUIT ON	OFF
SINGLE POLE TRIPLE THROW			
GE	ON	ON	ON
TWO CIRCUIT			
GH	CIRCUIT 1 ON	BOTH CIRCUITS ON	CIRCUIT 2 ON
GP	CIRCUIT 2 ON	CIRCUIT 1 ON	OFF
REVERSING DOUBLE POLE DOUBLE THROW			
GO	ON	OFF	ON
GX	ON	NONE	ON



TII

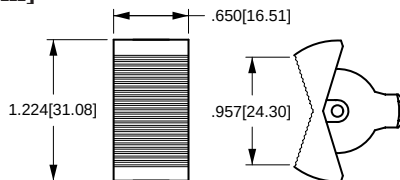
SOLDER LUG	.250 TAB (Q.C.)	.187 TAB (Q.C.)
TERMINAL TYPE		
SCREW (ASSEMBLED)	WIRE LEAD	PRINTED CIRCUIT

Actuator Styles/Dimensions: in. [mm]



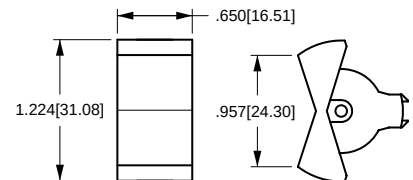
1L

TIL, TIG, TIH, TII



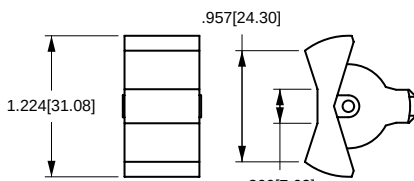
1C

TIL, TIG, TIH, TII



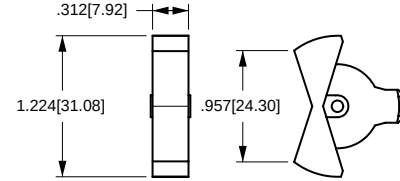
1S

TIL, TIG, TIH, TII



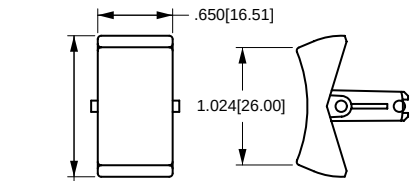
1F

TIG, TII



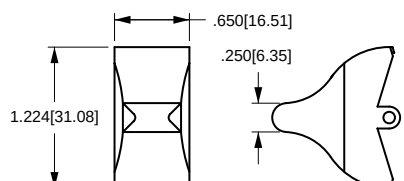
2L

TIL, TIG, TIH, TII



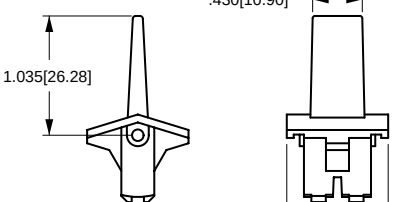
6S

TIG



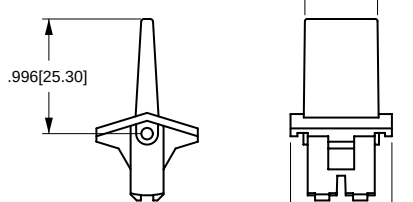
7S

TIG



7N

TIG

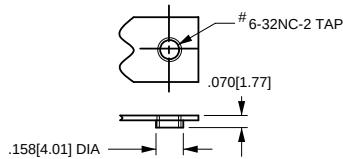


7P

TIG

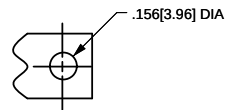
NOTES:
Additional momentary circuits are available. Consult factory for details.

Bracket Dimensions: in. [mm]



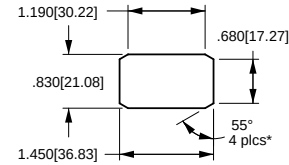
TAPPED HOLE

Standard with
A & B Brackets



CLEARANCE HOLE

Standard with
C Bracket



MOUNTING HOLE

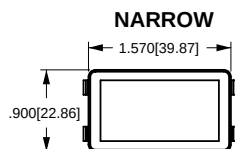
(Nylon Snap-in Brackets)

Panel Thickness:

.030 min. - .250 max.

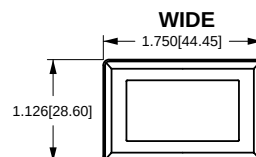
* Angled corners are suggested for optimum fit. Standard rectangular cutout is acceptable.

TIL	TIG	TII	TIH



FN

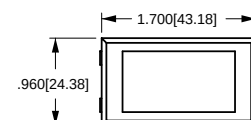
TIL, TIG, TIH, TII
METAL, SNAP-IN



FW

TIL, TIG, TIH, TII
METAL, SNAP-IN

MARINE / STD / WATERSHEDDING



MBL, NBL, WBL

TIG
BLACK NYLON, SNAP-IN

NOTES

Double brackets supplied on TII-Series when B style bracket is specified. Consult factory for dimensional information.

* Available in both clearance and tapped hole options. Please specify when ordering.