

Tippette Switches



The Tippette Series is a traditionally styled rocker switch, available in sealed or unsealed versions. These switches are appropriate for use in those applications not requiring the more stringent sealing protection of the V-Series and L-Series switches. The Tippette Series is available in both illuminated and non-illuminated versions and features a wide variety of circuits, actuator styles and bracket options. This versatile offering includes international agency certifications and ratings to 26 amps for select circuits.

Electrical

Contact Rating	15 amps, 125 VAC 10 amps, 250 VAC 3/4 HP 125-250 VAC 15 amps, 12-30 VDC
Life	25,000 cycles circuit dependent 50,000 cycles circuit dependent consult factory for applicable circuits.
Contacts	Fine silver, silver cad-oxide
Terminals	Brass or copper/silver plate 1/4" (6.3mm) Quick Connect terminations standard. Solder lug - Brass Tin Plated Wire Lead 16 gauge standard 105°C 600VAC Screw Terminals - Brass

Mechanical

Endurance 100,000 cycles minimum

Physical

Lighted	Incandescent - rated 10,000 hours Neon - rated 25,000 hours
Seals	Bracket - Actuator WBL/MBL optional external gasket panel seal
Base	Phenolic (150°C)
Rocker/Bracket	Nylon 66 (105°C)

Agency Certifications



Select circuits and constructions with IEC approvals are available. Consult factory.

Mounting



MOUNTING HOLE
(Nylon Snap-in Brackets)
Panel Thickness:
.040 min. - .250 max.

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

TIGA51 - 6M - BL - MBL

¹ Base Part Number

² Actuator Style

³ Actuator Color

⁴ Bracket

1 BASE PART NUMBER: SERIES/POLES/CIRCUITRY^{8, 11, 13}/RATING⁷/TERMINATION¹⁰
10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 6-28VDC⁷
Single Pole in Double Pole base²

solder .250		screw wire		lug tab		term. leads		
TIGA50	TIGA51	TIGA54	TIGA55	ON-NONE-OFF	TIGK50	TIGK51	TIGK54	TIGK55
TIGA5A	TIGA5B	TIGA5E	TIGA5F	(ON)-NONE-OFF	TIGK5A	TIGK5B	TIGK5E	TIGK5F
TIGA5L	TIGA5M	TIGA5S	TIGA5T	ON-NONE-(OFF)	TIGK5L	TIGK5M	TIGK5S	TIGK5T
TIGB50	TIGB51	TIGB54	TIGB55	ON-NONE-ON	TIGL50	TIGL51	TIGL54	TIGL55
TIGB5A	TIGB5B	TIGB5E	TIGB5F	ON-NONE-(ON)	TIGL5A	TIGL5B	TIGL5E	TIGL5F
TIGC50	TIGC51	TIGC54	TIGC55	ON-OFF-ON	TIGM50	TIGM51	TIGM54	TIGM55
TIGC5A	TIGC5B	TIGC5E	TIGC5F	ON--OFF-(ON)	TIGM5A	TIGM5B	TIGM5E	TIGM5F
TIGC5L	TIGC5M	TIGC5S	TIGC5T	(ON)-OFF-(ON)	TIGM5L	TIGM5M	TIGM5S	TIGM5T

Double Pole

solder .250		screw wire		lug tab		term. leads		
TIGK50	TIGK51	TIGK54	TIGK55	ON-NONE-OFF	TIGK50	TIGK51	TIGK54	TIGK55
TIGK5A	TIGK5B	TIGK5E	TIGK5F	(ON)-NONE-OFF	TIGK5A	TIGK5B	TIGK5E	TIGK5F
TIGK5L	TIGK5M	TIGK5S	TIGK5T	ON-NONE-(OFF)	TIGK5L	TIGK5M	TIGK5S	TIGK5T
TIGL50	TIGL51	TIGL54	TIGL55	ON-NONE-ON	TIGL50	TIGL51	TIGL54	TIGL55
TIGL5A	TIGL5B	TIGL5E	TIGL5F	ON-NONE-(ON)	TIGL5A	TIGL5B	TIGL5E	TIGL5F
TIGM50	TIGM51	TIGM54	TIGM55	ON-OFF-ON	TIGM50	TIGM51	TIGM54	TIGM55
TIGM5A	TIGM5B	TIGM5E	TIGM5F	ON--OFF-(ON)	TIGM5A	TIGM5B	TIGM5E	TIGM5F
TIGM5L	TIGM5M	TIGM5S	TIGM5T	(ON)-OFF-(ON)	TIGM5L	TIGM5M	TIGM5S	TIGM5T

Three Pole

solder .250		screw wire		lug tab		term. leads		
TIHK50	TIHK51	TIHK54	TIHK55	ON-NONE-OFF	TIHK50	TIHK51	TIHK54	TIHK55
TIHK5A	TIHK5B	TIHK5E	TIHK5F	(ON)-NONE-OFF	TIHK5A	TIHK5B	TIHK5E	TIHK5F
TIHK5L	TIHK5M	TIHK5S	TIHK5T	ON-NONE-(OFF)	TIHK5L	TIHK5M	TIHK5S	TIHK5T
TIHL50	TIHL51	TIHL54	TIHL55	ON-NONE-ON	TIHL50	TIHL51	TIHL54	TIHL55
TIHL5A	TIHL5B	TIHL5E	TIHL5F	ON-NONE-(ON)	TIHL5A	TIHL5B	TIHL5E	TIHL5F
TIHM50	TIHM51	TIHM54	TIHM55	ON-OFF-ON	TIHM50	TIHM51	TIHM54	TIHM55
TIHM5A	TIHM5B	TIHM5E	TIHM5F	ON--OFF-(ON)	TIHM5A	TIHM5B	TIHM5E	TIHM5F
TIHM5L	TIHM5M	TIHM5S	TIHM5T	(ON)-OFF-(ON)	TIHM5L	TIHM5M	TIHM5S	TIHM5T

Four Pole

solder .250		screw wire		lug tab		term. leads		
TIIGK50	TIIGK51	TIIGK54	TIIGK55	ON-NONE-OFF	TIIGK50	TIIGK51	TIIGK54	TIIGK55
TIIGK5A	TIIGK5B	TIIGK5E	TIIGK5F	(ON)-NONE-OFF	TIIGK5A	TIIGK5B	TIIGK5E	TIIGK5F
TIIGK5L	TIIGK5M	TIIGK5S	TIIGK5T	ON-NONE-(OFF)	TIIGK5L	TIIGK5M	TIIGK5S	TIIGK5T
TIIGL50	TIIGL51	TIIGL54	TIIGL55	ON-NONE-ON	TIIGL50	TIIGL51	TIIGL54	TIIGL55
TIIGL5A	TIIGL5B	TIIGL5E	TIIGL5F	ON-NONE-(ON)	TIIGL5A	TIIGL5B	TIIGL5E	TIIGL5F
TIIGM50	TIIGM51	TIIGM54	TIIGM55	ON-OFF-ON	TIIGM50	TIIGM51	TIIGM54	TIIGM55
TIIGM5A	TIIGM5B	TIIGM5E	TIIGM5F	ON--OFF-(ON)	TIIGM5A	TIIGM5B	TIIGM5E	TIIGM5F
TIIGM5L	TIIGM5M	TIIGM5S	TIIGM5T	(ON)-OFF-(ON)	TIIGM5L	TIIGM5M	TIIGM5S	TIIGM5T

VDE APPROVED
10A 250VAC, 15A 125VAC, 12(6)A 250VAC T85
Single Pole in Double Pole base²

solder .250		wire		lug tab		lead	
TIGA90	TIGA91	TIGA95		ON-NONE-OFF	TIGK90	TIGK91	TIGK95
TIGB90	TIGB91	TIGB95		ON-NONE-ON	TIGL90	TIGL91	TIGL95
TIGC90	TIGC91	TIGC95		ON-OFF-ON	TIGM90	TIGM91	TIGM95

Additional ratings up to 20A 125-277VAC, 1 1/2HP 125 VAC, 2HP 250VAC are available. Consult factory for specifics.

3 ACTUATOR COLOR⁹
BL black WH white RD red

4 BRACKET STYLE⁹

A	Screw Mount ⁵
B	Screw Mount ^{5, 14}
C	Screw Mount ⁵
H	Screw Mount ⁵
NBL	Nylon Black
WBL	Watershedding Black ⁴
MBL	Marine Style Black ⁵
FN	Metal Snap-In ⁵
FN BLK	Black Metal Snap-In ⁵
FN SS	Stainless Steel Snap-In ⁵
FW	Wide Stainless Steel Snap-In ⁵

- NOTES
- 1 NBL, FN, & FW brackets only.
 - 2 For single pole switch in a single pole base, specify TIL with single pole circuitry/rating/termination.
 - 3 NBL, WBL, & MBL brackets only. With 6M actuator, brackets also will be matte finish.
 - 4 6M & 6S actuators only
 - 5 Not available with 6M & 6S actuators.
 - 6 Consists of WBL bracket, neoprene seal, and dummy rivets at open holes. Consult factory for agency approval status. All ratings are appropriate for usage in low voltage applications.
 - 7 For additional special circuits, see page 21.
 - 9 Custom colors are available, consult factory.
 - 10 .187 tab and PC terminations are also available. Consult factory for catalog number callout.
 - 11 () momentary
 - 12 Not available with WBL or MBL style brackets.
 - 13 Additional circuits available. See page 21.
 - 14 Available with single pole TIL-Series only.
 - 15 Available with bracket A, C or H only.
 - 16 Not available with MBL or H brackets. Can be supplied as a double rocker to control separate poles of a TIG, TIH or TII switch. Consult factory for details.

2 ACTUATOR STYLE

1S	Angular/Smooth Face Gloss ¹²	6M	Curved/Smooth Face Matte ³
1C	Angular/Cross Serations Gloss ¹²	6S	Curved/Smooth Face Gloss ³
1F	Flatted/Smooth Face Gloss ¹²	7S	Rounded Paddle/Smooth Face Gloss ¹
1L	Angular/Longline Serrations Gloss ^{1, 12}	7N	Witch's Hat/Narrow ¹⁵
2L	Long Smooth/Narrow ¹⁶	7P	Witch's Hat/Wide ¹⁵

LTILA51 - 6M - BL - RC - MBL - 12V

¹ Base Part Number

² Actuator Style

³ Actuator Color

⁴ Lens Color

⁵ Bracket

⁶ Lamp Voltage

1 BASE PART NUMBER: SERIES/POLES/ILLUMINATION/CIRCUITRY¹²/RATING¹⁰/TERMINATION¹⁴
10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 15-28VDC
illuminated Single Pole in Double Pole base

solder .250		screw wire		lug tab		term. leads		
LTILA50	LTILA51	LTILA54	LTILA55	ON-NONE-OFF	LTIGK50	LTIGK51	LTIGK54	LTIGK55
LTILA5A	LTILA5B	LTILA5E	LTILA5F	(ON)-NONE-OFF	LTIGK5A	LTIGK5B	LTIGK5E	LTIGK5F
LTILA5L	LTILA5M	LTILA5S	LTILA5T	ON-NONE-(OFF)	LTIGK5L	LTIGK5M	LTIGK5S	LTIGK5T
LTILB50	LTILB51	LTILB54	LTILB55	ON-NONE-ON	LTIGL50	LTIGL51	LTIGL54	LTIGL55
LTILB5A	LTILB5B	LTILB5E	LTILB5F	ON-NONE-(ON)	LTIGL5A	LTIGL5B	LTIGL5E	LTIGL5F
LTILC50	LTILC51	LTILC54	LTILC55	ON-OFF-ON	LTIGM50	LTIGM51	LTIGM54	LTIGM55
LTILC5A	LTILC5B	LTILC5E	LTILC5F	ON--OFF-(ON)	LTIGM5A	LTIGM5B	LTIGM5E	LTIGM5F
LTILC5L	LTILC5M	LTILC5S	LTILC5T	(ON)-OFF-(ON)	LTIGM5L	LTIGM5M	LTIGM5S	LTIGM5T

illuminated Double Pole

solder .250		screw wire		lug tab		term. leads		
LTIGK50	LTIGK51	LTIGK54	LTIGK55	ON-NONE-OFF	LTIGK50	LTIGK51	LTIGK54	LTIGK55
LTIGK5A	LTIGK5B	LTIGK5E	LTIGK5F	(ON)-NONE-OFF	LTIGK5A	LTIGK5B	LTIGK5E	LTIGK5F
LTIGK5L	LTIGK5M	LTIGK5S	LTIGK5T	ON-NONE-(OFF)	LTIGK5L	LTIGK5M	LTIGK5S	LTIGK5T
LTIGL50	LTIGL51	LTIGL54	LTIGL55	ON-NONE-ON	LTIGL50	LTIGL51	LTIGL54	LTIGL55
LTIGL5A	LTIGL5B	LTIGL5E	LTIGL5F	ON-NONE-(ON)	LTIGL5A	LTIGL5B	LTIGL5E	LTIGL5F
LTIGM50	LTIGM51	LTIGM54	LTIGM55	ON-OFF-ON	LTIGM50	LTIGM51	LTIGM54	LTIGM55
LTIGM5A	LTIGM5B	LTIGM5E	LTIGM5F	ON--OFF-(ON)	LTIGM5A	LTIGM5B	LTIGM5E	LTIGM5F
LTIGM5L	LTIGM5M	LTIGM5S	LTIGM5T	(ON)-OFF-(ON)	LTIGM5L	LTIGM5M	LTIGM5S	LTIGM5T

Additional ratings up to 12A 250VAC, 17A 125 VAC, 3/4 HP 125 VAC, 1HP 250VAC are available. Consult factory for specifics.
Three pole switch is also available: Substitute H for fourth digit of part number. ex. LTIHK51

2 ACTUATOR STYLE⁴

1S	Angular/Smooth Face Gloss ¹
1C	Angular/Cross Serations Gloss ¹
1L	Angular/Longline Serrations Gloss ¹
6M	Curved/Smooth Face Matte ³
6S	Curved/Smooth Face Gloss ³
7S	Rounded Paddle/Smooth Face Gloss ²

3 ACTUATOR COLOR¹¹
BL black WH white RD red

4 LENS COLOR¹³

AM	amber	RC	red	GN	green ⁷
LU	blue ⁷	CL	clear	WH	white

5 BRACKET STYLE¹¹

NBL	Nylon Black
WBL	Watershedding Black ⁵
MBL	Marine Style Black ^{5, 6}
FN	Metal Snap-In ^{4, 6}
FN BLK	Black Metal Snap-In ^{4, 6}
FN SS	Stainless Steel Snap-In ^{4, 6}

6 LAMP VOLTAGE

incandescent

125N	125 volt	250N	250 volt
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neon⁹

6V	6 volt	12V	12 volt	18V	18 volt
24V	24 volt	28V	28 volt		

- NOTES
- 1 NBL, FN, & FW brackets only. Double pole circuits provided with 3 pole base.
 - 2 LTIL-Series with NBL, FN, & FW brackets only.
 - 3 NBL, WBL, & MBL brackets only. With 6M actuator, bracket will also be matte finish.
 - 4 1S, 1C, 1L & 7S with NBL bracket only available with LTIL-Series.
 - 5 6M, 6S actuators only.
 - 6 Not available with 6M and 6S actuators.
 - 7 Not recommended with neon lamps.
 - 8 Consists of WBL bracket, neoprene seal, dummy rivets at open holes. Consult factory for agency approval status.
 - 9 Not recommended with blue or green lenses.
 - 10 All ratings are appropriate for usage in low voltage applications.
 - 11 Custom colors and additional bracket styles are available, consult factory.
 - 12 () - momentary
 - 13 All double throw circuits supplied with two lenses. To specify two different lens colors, specify second color, after first color. (ex. LTIGM51-6S-BL-RC/GN-WBL-12V)
 - 14 .187 tab and PC terminations are also available. Consult factory for catalog number callout.

1C
CROSS-LINE W/ONE LENS



WITH .250 TAB
TERMINALS
AND NBL BRACKET

1L
LONG-LINE W/ONE LENS



WITH SOLDER LUG
TERMINAL
AND NBL BRACKET

1S
SMOOTH W/ONE LENS



WITH .250 TAB
TERMINALS
AND NBL BRACKET

1F
FLATTED STYLE NO LENS



WITH .250 TAB
TERMINALS
AND FN BRACKET

6M, 6S
CURVED W/ONE LENS



WITH SOLDER LUG
TERMINALS
AND WBL/MBL BRACKET

7S
TOGGLE-STYLE W/ONE LENS

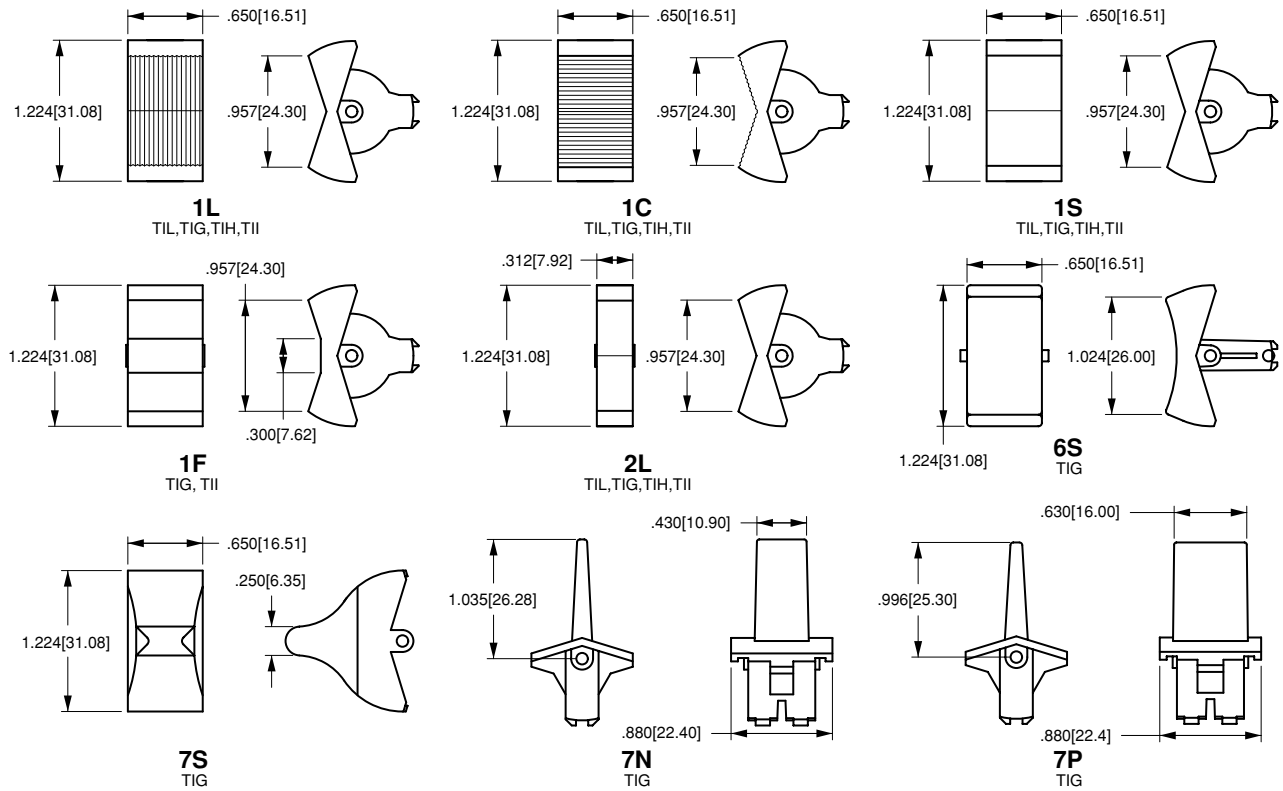


WITH .250 TAB
TERMINALS
AND FN BRACKET

1C
TII-SERIES CROSS-LINE W ONE LENS



WITH .250 TAB TERMINALS AND A BRACKET



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

() Indicates momentary function.

Dimensional Specifications: 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
<p>A TIL</p>	<p>A TIG</p>	<p>A TII</p>	<p>A TIH</p>
<p>B TIL</p>	<p>B TII, TIG</p>		
<p>C* TIL</p>	<p>C TIG</p>	<p>C TIH, TII</p>	



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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

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