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# Tippette®

Full Sized Rocker Switches

**PRODUCT WEBPAGE**

*request sample, configure part*



The Tippette Series is a traditionally styled rocker switch, available in sealed or unsealed versions. These switches are appropriate for use in general purpose applications which may or may not require a modicum of environmental protection.

**1-4**  
Poles

**10-20**  
Amps

**125-250**  
VAC Max

**12-30**  
VDC Max

## Typical Applications

- General Purpose Applications
- Commercial Food
- Recreational Vehicles
- Industrial Automation

# Tech Specs

## Electrical

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

## Agency Certifications

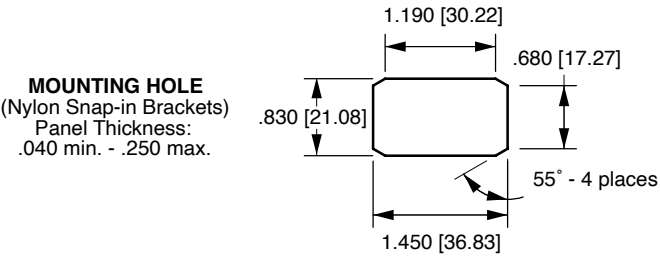
UL, CSA and VDE

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

## Physical

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Lighted               | Incandescent - rated 10,000 hours<br>Neon - rated 25,000 hours    |
| Seals                 | Bracket - Actuator WBL/MBL<br>optional external gasket panel seal |
| Operating Temperature | Up to 85° C<br>Consult Factory for Specific Applications          |

## Mounting



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

# Ordering Scheme

Sample Part Number **TIGA51 - 6M - BL - MBL**

Selection 1 2 3 4

## 1. SERIES

10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 6-28VDC

Single Pole in Double Pole base <sup>2</sup>

|        |        |        |        |
|--------|--------|--------|--------|
| solder | .250   | screw  | wire   |
| lug    | tab    | term.  | leads  |
| TIGA50 | TIGA51 | TIGA54 | TIGA55 |
| TIGA5A | TIGA5B | TIGA5E | TIGA5F |
| TIGA5L | TIGA5M | TIGA5S | TIGA5T |
| TIGB50 | TIGB51 | TIGB54 | TIGB55 |
| TIGB5A | TIGB5B | TIGB5E | TIGB5F |
| TIGC50 | TIGC51 | TIGC54 | TIGC55 |
| TIGC5A | TIGC5B | TIGC5E | TIGC5F |
| TIGC5L | TIGC5M | TIGC5S | TIGC5T |

Three Pole

|        |        |        |        |
|--------|--------|--------|--------|
| solder | .250   | screw  | wire   |
| lug    | tab    | term.  | leads  |
| TIHK50 | TIHK51 | TIHK54 | TIHK55 |
| TIHK5A | TIHK5B | TIHK5E | TIHK5F |
| TIHK5L | TIHK5M | TIHK5S | TIHK5T |
| TIHL50 | TIHL51 | TIHL54 | TIHL55 |
| TIHL5A | TIHL5B | TIHL5E | TIHL5F |
| TIHM50 | TIHM51 | TIHM54 | TIHM55 |
| TIHM5A | TIHM5B | TIHM5E | TIHM5F |
| TIHM5L | TIHM5M | TIHM5S | TIHM5T |

VDE APPROVED

10A 250VAC, 15A 125VAC, 12(6)A 250VAC T85

Single Pole in Double Pole base <sup>2</sup>

|        |        |        |
|--------|--------|--------|
| solder | .250   | wire   |
| lug    | tab    | lead   |
| TIGA90 | TIGA91 | TIGA95 |
| TIGB90 | TIGB91 | TIGB95 |
| TIGC90 | TIGC91 | TIGC95 |

Double Pole

|        |        |        |        |
|--------|--------|--------|--------|
| solder | .250   | screw  | wire   |
| lug    | tab    | term.  | leads  |
| TIGK50 | TIGK51 | TIGK54 | TIGK55 |
| TIGK5A | TIGK5B | TIGK5E | TIGK5F |
| TIGK5L | TIGK5M | TIGK5S | TIGK5T |
| TIGL50 | TIGL51 | TIGL54 | TIGL55 |
| TIGL5A | TIGL5B | TIGL5E | TIGL5F |
| TIGM50 | TIGM51 | TIGM54 | TIGM55 |
| TIGM5A | TIGM5B | TIGM5E | TIGM5F |
| TIGM5L | TIGM5M | TIGM5S | TIGM5T |

Four Pole

|        |        |        |        |
|--------|--------|--------|--------|
| solder | .250   | screw  | wire   |
| lug    | tab    | term.  | leads  |
| TIHK50 | TIHK51 | TIHK54 | TIHK55 |
| TIHK5A | TIHK5B | TIHK5E | TIHK5F |
| TIHK5L | TIHK5M | TIHK5S | TIHK5T |
| TIIL50 | TIIL51 | TIIL54 | TIIL55 |
| TIIL5A | TIIL5B | TIIL5E | TIIL5F |
| TIIM50 | TIIM51 | TIIM54 | TIIM55 |
| TIIM5A | TIIM5B | TIIM5E | TIIM5F |
| TIIM5L | TIIM5M | TIIM5S | TIIM5T |

Double Pole

|        |        |        |
|--------|--------|--------|
| solder | .250   | wire   |
| lug    | tab    | lead   |
| TIGK90 | TIGK91 | TIGK95 |
| TIGL90 | TIGL91 | TIGL95 |
| TIGM90 | TIGM91 | TIGM95 |

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

## 2. ACTUATOR STYLE

|    |                                                   |
|----|---------------------------------------------------|
| 1S | Angular/Smooth Face Gloss <sup>12</sup>           |
| 1C | Angular/Cross Serrations Gloss <sup>12</sup>      |
| 1F | Flatted/Smooth Face Gloss <sup>12</sup>           |
| 1L | Angular/Longline Serrations Gloss <sup>1,12</sup> |
| 2L | Long Smooth/Narrow <sup>1</sup>                   |
| 6M | Curved/Smooth Face Matte <sup>3</sup>             |
| 6S | Curved/Smooth Face Gloss <sup>3</sup>             |
| 7S | Rounded Paddle/Smooth Face Gloss <sup>1</sup>     |
| 7N | Witch's Hat/Narrow <sup>14</sup>                  |
| 7P | Witch's Hat/Wide <sup>14</sup>                    |

## 3. ACTUATOR COLOR

|    |       |
|----|-------|
| BL | Black |
| WH | White |
| RD | Red   |

## 4. BRACKET STYLE

|        |                                           |
|--------|-------------------------------------------|
| A      | Screw Mount <sup>5</sup>                  |
| B      | Screw Mount <sup>5,12</sup>               |
| C      | Screw Mount <sup>5</sup>                  |
| H      | Screw Mount <sup>5</sup>                  |
| NBL    | Nylon Black                               |
| WBL    | Water shedding Black <sup>4</sup>         |
| MBL    | Marine Style Black <sup>4,6</sup>         |
| FN     | Metal Snap-In <sup>5</sup>                |
| FN BLK | Black Metal Snap-In <sup>5</sup>          |
| FN SS  | Stainless Steel Snap-In <sup>5</sup>      |
| FW     | Wide Stainless Steel Snap-In <sup>5</sup> |

Notes:

- 1 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.
- 7 All ratings are appropriate for usage in low voltage applications.
- 8 For additional special circuits, see catalog.
- 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 Available with bracket A, C or H only.
- 14 Not available with MBL, WBL 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.

[Configure Complete Part Number >](#)

[Browse Standard Parts >](#)

# Ordering Scheme

Sample Part Number LTILA51 - 6M - BL - RC - MBL - 12V

Selection 1 2 3 4 5 6

## 1. SERIES

10A 250VAC, 15A 125VAC, 3/4 HP 125-250VAC, 15A 15-28VDC

illuminated Single Pole in Double Pole base

| solder lug | .250 tab | screw term. | wire leads |               |
|------------|----------|-------------|------------|---------------|
| LTILA50    | LTILA51  | LTILA54     | LTILA55    | On-None-Off   |
| LTILA5A    | LTILA5B  | LTILA5E     | LTILA5F    | (On)-None-Off |
| LTILA5L    | LTILA5M  | LTILA5S     | LTILA5T    | On-None-(Off) |
| LTILB50    | LTILB51  | LTILB54     | LTILB55    | On-None-On    |
| LTILB5A    | LTILB5B  | LTILB5E     | LTILB5F    | On-None-(On)  |
| LTILC50    | LTILC51  | LTILC54     | LTILC55    | On-Off-On     |
| LTILC5A    | LTILC5B  | LTILC5E     | LTILC5F    | On-Off-(On)   |
| LTILC5L    | LTILC5M  | LTILC5S     | LTILC5T    | (On)-Off-(On) |

illuminated Double Pole

| solder lug | .250 tab | screw term | wire leads |
|------------|----------|------------|------------|
| LTIGK50    | LTIGK51  | LTIGK54    | LTIGK55    |
| LTIGK5A    | LTIGK5B  | LTIGK5E    | LTIGK5F    |
| LTIGK5L    | LTIGK5M  | LTIGK5S    | LTIGK5T    |
| LTIGL50    | LTIGL51  | LTIGL54    | LTIGL55    |
| LTIGL5A    | LTIGL5B  | LTIGL5E    | LTIGL5F    |
| LTIGM50    | LTIGM51  | LTIGM54    | LTIGM55    |
| LTIGM5A    | LTIGM5B  | LTIGM5E    | LTIGM5F    |
| 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 STYLE 4

|    |                                                |
|----|------------------------------------------------|
| 1S | Angular/Smooth Face Gloss <sup>1</sup>         |
| 1C | Angular/Cross Serrations Gloss <sup>1</sup>    |
| 1L | Angular/Longline Serrations Gloss <sup>1</sup> |
| 6M | Curved/Smooth Face Matte <sup>3</sup>          |
| 6S | Curved/Smooth Face Gloss <sup>3</sup>          |
| 7S | Rounded Paddle/Smooth Face Gloss <sup>2</sup>  |

## 5. BRACKET STYLE 11

|        |                                        |
|--------|----------------------------------------|
| NBL    | Nylon Black                            |
| WBL    | Water shedding Black <sup>5</sup>      |
| MBL    | Marine Style Black <sup>5,8</sup>      |
| FN     | Metal Snap-In <sup>4,6</sup>           |
| FN BLK | Black Metal Snap-In <sup>4,6</sup>     |
| FN SS  | Stainless Steel Snap-In <sup>4,6</sup> |

## 3. ACTUATOR COLOR 11

|    |       |
|----|-------|
| BL | Black |
| WH | White |
| RD | Red   |

## 4. LENS COLOR 13

|    |                    |
|----|--------------------|
| AM | Amber              |
| LU | Blue <sup>7</sup>  |
| RC | Red                |
| CL | Clear              |
| GN | Green <sup>7</sup> |
| WH | White              |

## 6. LAMP VOLTAGE

|                   |          |      |          |     |         |
|-------------------|----------|------|----------|-----|---------|
| neon <sup>9</sup> |          |      |          |     |         |
| 125N              | 125 volt | 250N | 250 volt |     |         |
| incandescent      |          |      |          |     |         |
| 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.

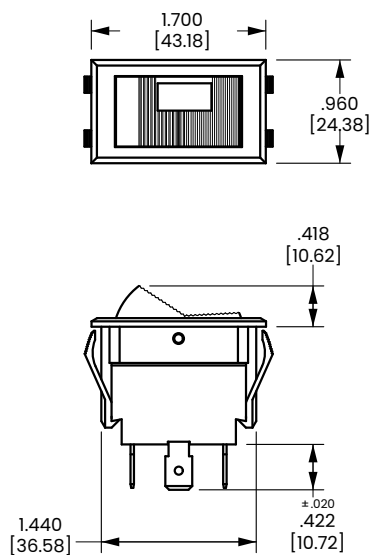
 [Configure Complete Part Number >](#)

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# Dimensional Specs

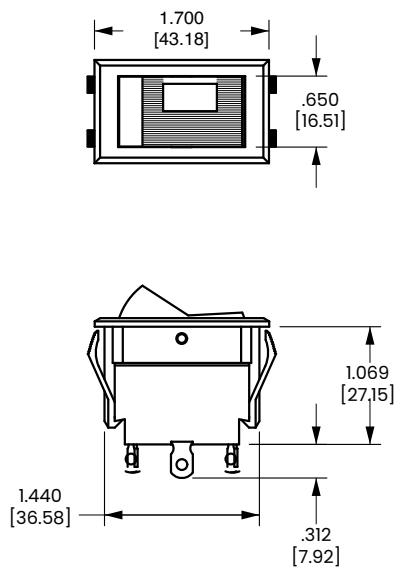
inches [millimeters]

**1C**  
CROSS-LINE W/ONE LENS



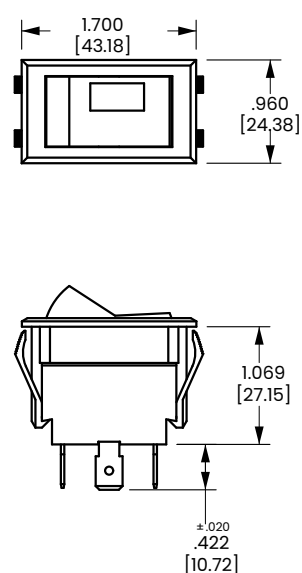
WITH .250 TAB  
TERMINALS  
AND NBL BRACKET

**1L**  
LONG-LINE W/ONE LENS



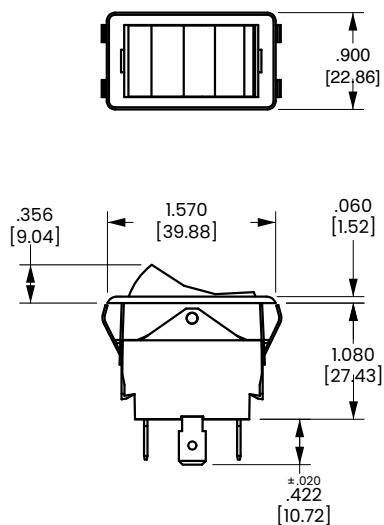
WITH SOLDER LUG  
TERMINAL  
AND NBL BRACKET

**1S**  
SMOOTH W/ONE LENS



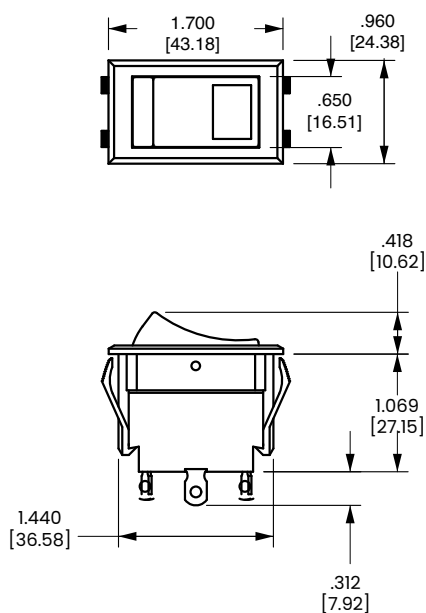
WITH .250 TAB  
TERMINALS  
AND NBL BRACKET

**1F**  
FLATTED STYLE NO LENS



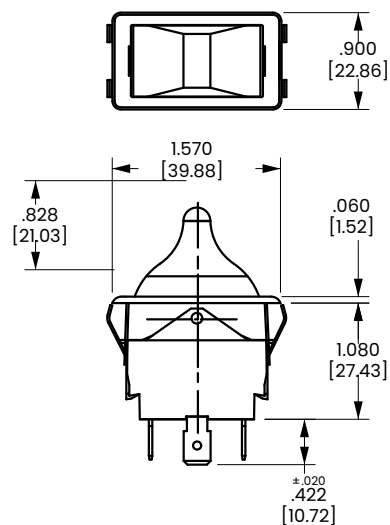
WITH .250 TAB  
TERMINALS  
AND FN BRACKET

**6M, 6S**  
CURVED W/ONE LENS



WITH SOLDER LUG  
TERMINALS  
AND NBL BRACKET

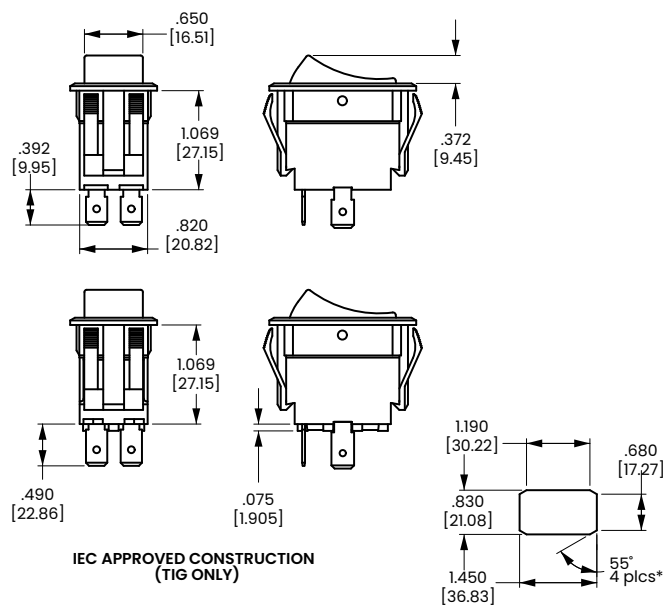
**7S**  
TOGGLE-STYLE W/ONE LENS



WITH .250 TAB  
TERMINALS  
AND FN BRACKET

# Dimensional Specs

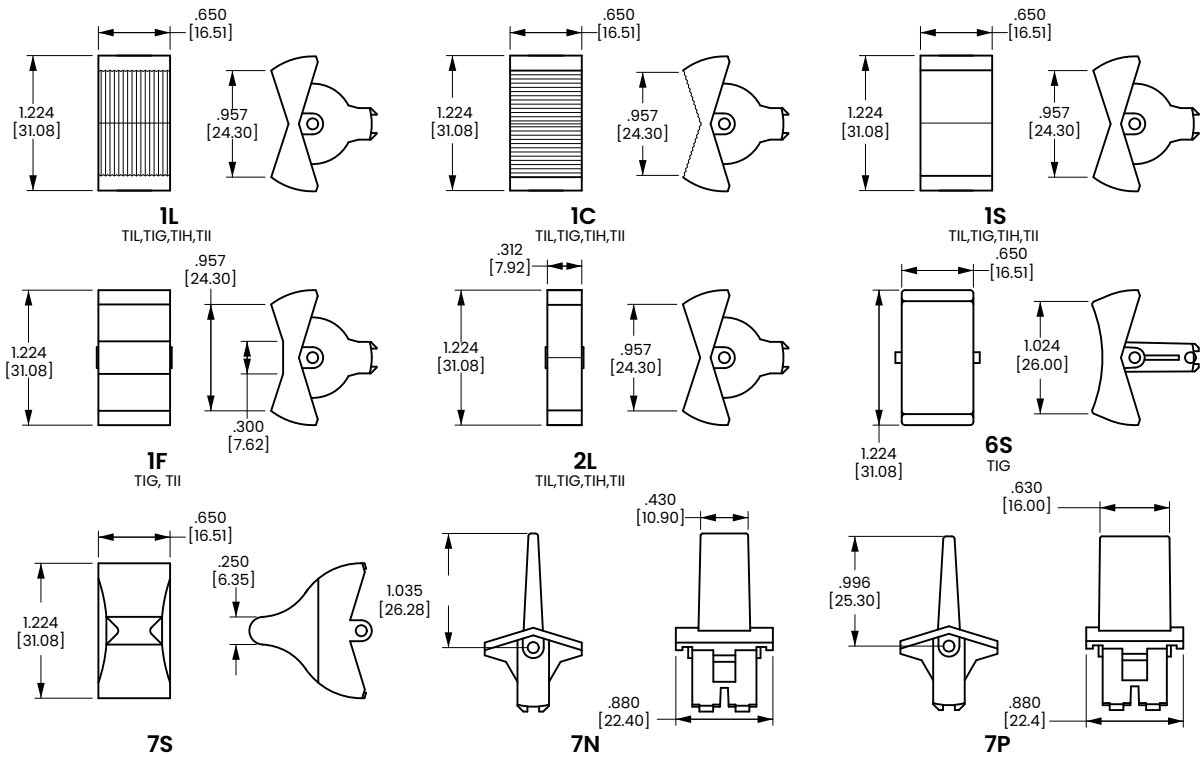
inches [millimeters]



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

**MOUNTING HOLE**  
(Nylon Snap-in Brackets)  
Panel Thickness:  
.030 min. - .250 max.  
Switch should be mounted at 90°  
for maximum water shedding  
(45° to 90° acceptable)

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

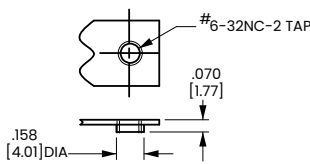


## SPECIAL CIRCUITS FOR TIPPETTE ROCKER SWITCHES

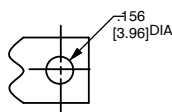
| Circuit                            | Position 1         | Position 2       | Position 3   |
|------------------------------------|--------------------|------------------|--------------|
| Progressive Two Circuit            |                    |                  |              |
| GG                                 | 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           |

# Dimensional Specs

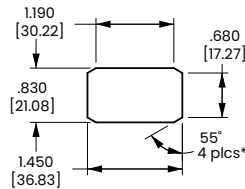
inches [millimeters]



**TAPPED HOLE**  
Standard with  
A & B Brackets



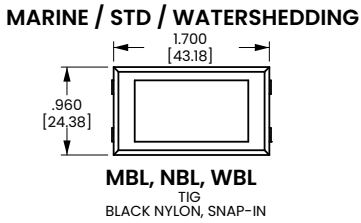
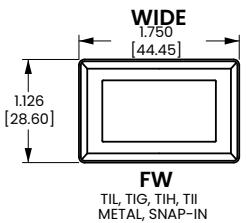
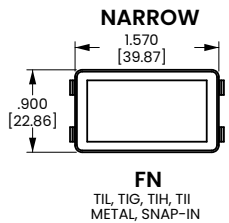
**CLEARANCE HOLE**  
Standard with  
C Bracket



**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 |
|-----|-----|-----|-----|
|     |     |     |     |
|     |     |     |     |
|     |     |     |     |
|     |     |     |     |



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