

## I-Series



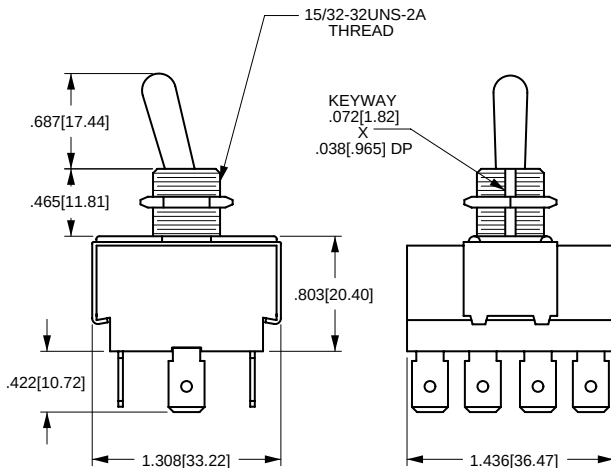
The I-Series toggle switches are heavy-duty, four pole switches with a slow-make, slow-break contact mechanism. These switches are available in a wide range of terminations, circuits and bushing/toggle configurations.

## Specifications

- Certifications\*: UL, CSA
- Dielectric Strength: 1,000V (minimum)
- Insulation Resistance: 100 Megohms (minimum)
- Base Material: Phenolic
- Actuator Material: Brass/Nickel Plate or Polycarbonate
- Bushing Material: Brass/Nickel Plate

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

## Dimensional Specifications: in. [mm]



|                                                                |                                                 |                                                 |
|----------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| <br>.125[3.18] DIA<br>.330[8.38]<br>.187[4.74]                 | <br>.075[1.91] DIA<br>.437[11.09]<br>.250[6.35] | <br>.055[1.40] DIA<br>.394[10.00]<br>.187[4.74] |
| SOLDER LUG                                                     | .250 TAB (Q.C.)                                 | .187 TAB (Q.C.)                                 |
| TERMINAL TYPE                                                  |                                                 |                                                 |
| <br>#6-32NC-2 THREAD<br>.370[9.39]<br>.286[7.26]<br>.141[3.58] | <br>6.000[152.40]<br>.500[12.70]                | <br>.187[4.75]<br>.187[4.75]<br>.350[8.89]      |
| SCREW (ASSEMBLED)                                              | WIRE LEAD                                       | PRINTED CIRCUIT                                 |
| <br>.500[12.70] DIA                                            | <br>.062[1.57]<br>.038[9.65]                    | <br>.500[12.70] DIA<br>.125[3.17] DIA           |
| MOUNTING HOLE                                                  | WITH KEYWAY                                     | WITH LOCKING RING                               |

| I                         |                  | K      |                                                                 | 25                   |            | 1             |               | -           |           | 73       |  |
|---------------------------|------------------|--------|-----------------------------------------------------------------|----------------------|------------|---------------|---------------|-------------|-----------|----------|--|
| SERIES                    |                  | RATING |                                                                 | TERMINATION/FUNCTION |            |               |               |             |           |          |  |
| I                         | FOUR POLE TOGGLE | 25     | 10A 250VAC<br>15A 125VAC<br>3/4HP 125-250VAC<br>1, 2 OR 3 PHASE | FUNCTION             | SOLDER LUG | .250 TAB (QC) | .187 TAB (QC) | SCREW TERM. | WIRE LEAD | PC TERM. |  |
| CIRCUIT <sup>1</sup>      |                  |        |                                                                 | ON-NONE-OFF          | 0          | 1             | 3             | 4           | 5         | 6        |  |
|                           |                  |        |                                                                 | (ON)-NONE-OFF        | A          | B             | D             | E           | F         | G        |  |
| K                         | ON-NONE-OFF      |        |                                                                 | ON-NONE-(OFF)        | L          | M             | R             | S           | T         | U        |  |
| L                         | ON-NONE-ON       |        |                                                                 | ON-NONE-ON           | 0          | 1             | 3             | 4           | 5         | 6        |  |
| M                         | ON-OFF-ON        |        |                                                                 | 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        |  |
| TOGGLE STYLE <sup>2</sup> |                  |        |                                                                 |                      |            |               |               |             |           |          |  |

TOGGLE STYLE<sup>2</sup>

|       | TOGGLE LENGTH | BUSHING LENGTH | SUFFIX NO. | NEOPRENE SEAL |
|-------|---------------|----------------|------------|---------------|
| BAT   | .406          | .343           | 52         | 57            |
|       | .562          | .465           | 63         | 68            |
|       | .687          | .465           | 73         | 78            |
|       | 1.00          | .343           | A2         | A7            |
|       | 1.25          | .465           | B3         | B8            |
| NYLON | .687          | .465           | NBL3       | NBL8          |
|       | .687          | .465           | NWH3       | NWH8          |

## NOTES:

Shading indicates standard configurations.

For bushing accessories, see pages 69 and 70.

<sup>1</sup> Consult factory for additional circuits.

<sup>2</sup> NBL toggle uses black oxide plated metal bushing for standard construction. NWH toggle uses nickel plated metal bushing for standard construction.

Momentary functions are available with only 63, 73 or 78 toggles.