

Residential grade toggle switches

| | |
|-----------------|--------------|
| Project Name: | Prepared By: |
| Project Number: | Date: |
| Catalog Number: | Type: |

Description

Single Pole, 3-Way, 4-Way
15A, 120V/AC



1301



1303



1301-73



1301-7LT

Design features

- 3-way switches feature additional push-in common termination for feed-through tapping
- Push-in terminals accept #14 AWG solid wire only; side wire terminals accept up to #10 AWG solid wire
- Long, broad mounting strap virtually eliminates floating installations
- Built-in wire stripper for #12 and #14 AWG wire to speed up installation
- Tri-combo screws accept Slotted, Phillips, and Robertson-head tools for installation flexibility
- Wire looper speeds termination of both #14 and #12 AWG wire
- Lighted toggle glows in "OFF" position

Table 1. Specification Grade Toggle Switches

| Catalog No. | Description | Rating | | Color Suffix |
|-------------------------------------|--|--------|---------|--------------------|
| | | A | V/AC | |
| <input type="checkbox"/> 1301__ | Single pole, side wire & push wire, non-grounding | 15 | 120 | B, BK, LA, V, W |
| <input type="checkbox"/> 1303__ | 3-way, back wire, side wire & push wire, non-grounding | 15 | 120 | B, BK, LA, V, W |
| <input type="checkbox"/> 1301-7__ | Single pole, side wire & push wire | 15 | 120 | A, B, BK, LA, V, W |
| <input type="checkbox"/> 1301-9__ | Single pole, side wire & push wire, auto ground | 15 | 120 | A, B, BK, LA, V, W |
| <input type="checkbox"/> 1303-7__ | 3-way, back wire, side wire & push wire | 15 | 120 | A, B, BK, LA, V, W |
| <input type="checkbox"/> 1303-9__ | 3-way, side wire & push wire, auto ground | 15 | 120 | A, B, BK, LA, V, W |
| <input type="checkbox"/> 1301-73__ | Single pole, less ears, side wire & push wire | 15 | 120 | A, B, BK, LA, W, V |
| <input type="checkbox"/> 1301-7LT__ | Lighted, single pole, side wire & push wire | 15 | 120 | A, LA, V, W |
| <input type="checkbox"/> 1303-7LT__ | Lighted, 3-way, side wire & push wire | 15 | 120 | LA, V, W |
| <input type="checkbox"/> 1242-7__ | 4-way, side wire & push wire | 15 | 120/277 | A, B, BK, LA, V, W |

Compliances, specifications and availability are subject to change without notice.



Powering Business Worldwide

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Table 2. Specifications

| Catalog No. | 1300 Series | 1300 Lighted Series | 1242-7 Series |
|--------------------------------------|---|---|---|
| Device Type | 15A 120V Residential Grade Toggle Switch | 15A 120/277V Residential Grade Toggle Switch | 15A 120/277V Residential Grade Toggle Switch |
| Wiring Type | Back & side wire | Back & side wire | Back & side wire |
| Testing & Code Compliance | cULus listed to UL 20, file no. E18704 | UL listed to UL 20, file no. E18704 CSA C22.2 no. 111-M1986 | cULus listed to UL 20, file no. E18704 UL verified to Federal Spec WS-896-F |
| Environmental Specifications | Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -20°C to 60°C (-4°F to 140°F) | Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -20°C to 60°C (-4°F to 140°F) | Flammability: Meets UL94 requirements; V2 rated Temperature Rating: -20°C to 60°C (-4°F to 140°F) |
| Electrical Specifications | Dielectric Voltage: Withstands 1500V per UL 20 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing | Dielectric Voltage: Withstands 1500V per UL 20 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing | Dielectric Voltage: Withstands 1500V per UL 20 Current Interrupting: Yes, at full-rated current Temperature Rise: Max. 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing |
| Mechanical Specifications | Terminal Accommodation: #14 - 10 AWG Voltage Ratings: Permanently marked on device Horsepower Ratings: Rated for motor loads per 15A: @ 120V/AC = 1/2 HP, @ 240V/AC=2 HP; max. amps 12A | Terminal Accommodation: #14 - 10 AWG Voltage Ratings: Permanently marked on device Horsepower Ratings: Rated for motor loads per 15A: @ 120V/AC = 1/2 HP, @ 240V/AC=2 HP; max. amps 12A | Terminal Accommodation: #14 - 10 AWG Voltage Ratings: Permanently marked on device Horsepower Ratings: Rated for motor loads per 15A: @ 120V/AC = 1/2 HP, @ 240V/AC=2 HP; max. amps 12A |

Table 3. Materials

| Catalog No. | 1300 Series | 1300 Lighted Series | 1242-7 Series |
|-----------------------------|----------------------------------|----------------------------------|---|
| Toggle | Thermoplastic, nylon | Polycarbonate | Thermoplastic, nylon |
| Top Housing | PVC | Urea | Polycarbonate |
| Bottom Housing | PVC | Urea | Polycarbonate |
| Strap | 0.040" thick steel, galvanized | 0.40" thick steel, galvanized | 0.050" thick steel, galvanized |
| Auto Ground Clip | N/A | N/A | 0.015" thick brass |
| Terminals | 0.030" thick brass | 0.030" thick brass | 0.030" thick brass |
| Terminal Screws | #8-32 steel, brass-plated, black | #8-32 steel, brass-plated, black | #10-32 brass, black |
| Ground Screw | #8-32 steel, zinc plated, green | #8-32 steel, zinc plated, green | #8-32 steel, zinc plated, green |
| Back wire Clamp | N/A | N/A | 0.070" plated steel (terminal screws), 0.50" (ground screw) |
| Contacts | Silver alloy | Silver alloy | Silver alloy |
| Moveable Contact Arm | 0.030" thick brass | 0.030" thick brass | 0.030" thick brass |

Table 4. Color Ordering Information

For ordering devices, include Cat. no. followed by the color code: A (Almond), B (Brown), BK (Black), LA (Light Almond), V (Ivory), W (White)

| | | | | | |
|----------|----------|-----------|------------|----------|----------|
| A | B | BK | LA | V | W |
| Almond | Brown | Black | Lt. Almond | Ivory | White |

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Product Dimensions

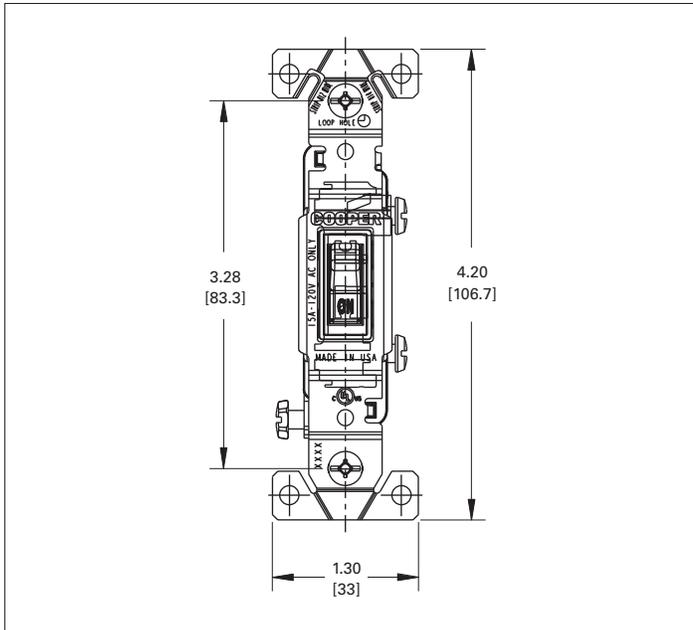


Figure 1. 1301 Line Art with Dimensions

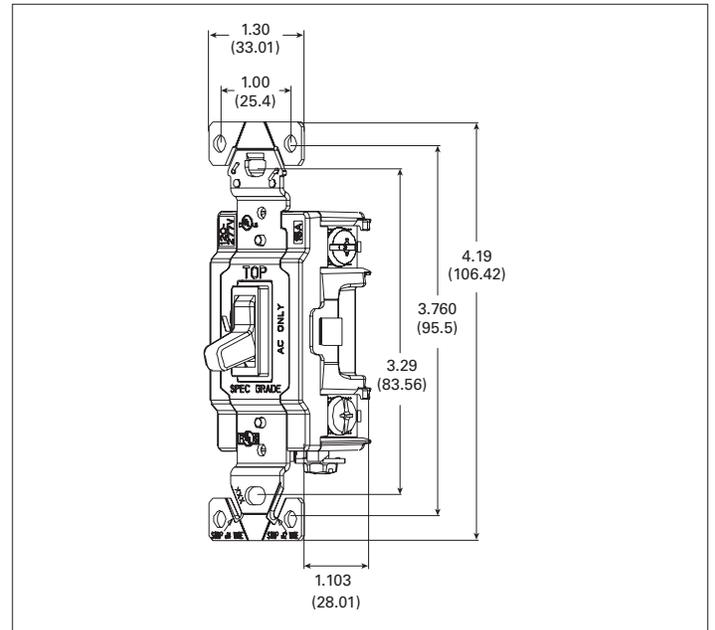


Figure 2. 1242-7 Line Art with Dimensions

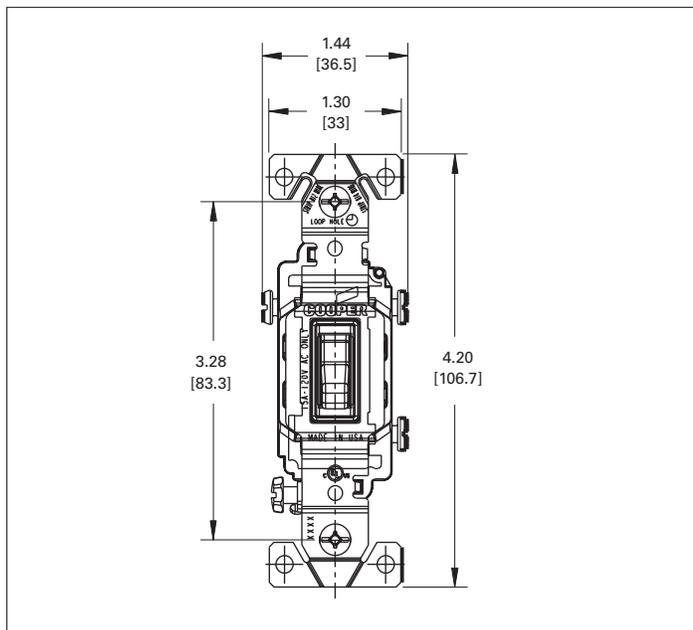


Figure 3. 1303 Line Art with Dimensions

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Certifications & Compliances

| Catalog no. |  |  |  |  |  |  |  |
|-------------|---|---|---|---|---|---|---|
| 1301 | • | • | | | | • | • |
| 1303 | • | • | | | | • | • |
| 1301-7 | • | • | | | | • | • |
| 1301-9 | • | • | | | | • | • |
| 1303-7 | • | • | | | | • | • |
| 1303-9 | • | • | | | | • | • |
| 1242-7 | • | • | | • | | | |
| 1301-73 | • | | | | | • | • |
| 1301-7LT | | • | • | | | • | • |
| 1303-7LT | | • | • | | | • | • |

KEY:  cULus  NOM  UL  Fed Spec  CSA  NAFTA  ROHS

 Parts are manufactured and designed in accordance with article 4 of the European Union's RoHS2 directive 2011/65/EU

Compliances, specifications and availability are subject to change without notice.

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