

# Residential grade toggle switches

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

## Description

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

## 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
- Patented built-in wire stripper for #12 and #14 AWG wire to speed 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



1301



1303



1301-73



1301-7LT

**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  | A, B, BK, LA, V, W |

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

# EATON

Powering Business Worldwide

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

**Table 2. Specifications**

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

**Table 3. Materials**

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

|          |          |           |            |          |          |
|----------|----------|-----------|------------|----------|----------|
| <b>A</b> | <b>B</b> | <b>BK</b> | <b>LA</b>  | <b>V</b> | <b>W</b> |
| Almond   | Brown    | Black     | Lt. Almond | Ivory    | White    |

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

Product Dimensions

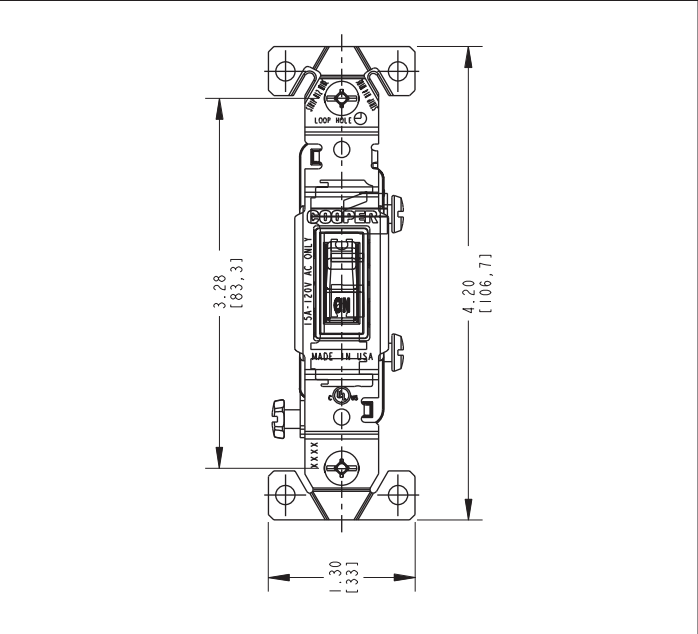


Figure 1. 1301 Line Art With Dimensions

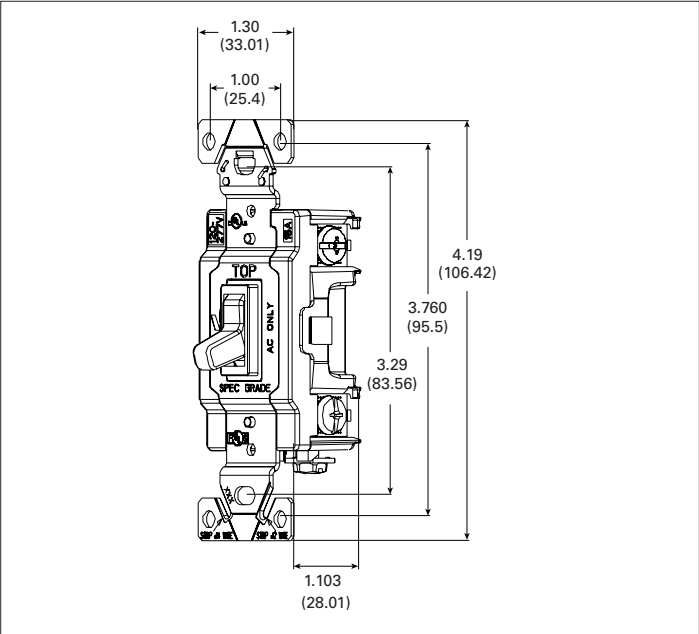


Figure 2. 1242-7 Line Art With Dimensions

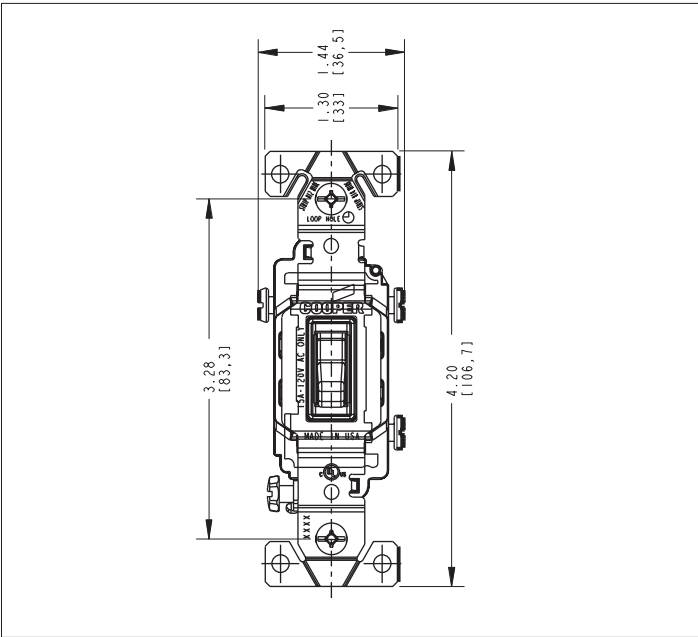










Figure 3. 1303 Line Art With Dimensions

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

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 426  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.

Electrical Sector  
203 Cooper Circle  
Peachtree City, GA 30269  
United States  
Eaton.com  
Eaton.com/arrowhart

Electrical Sector  
Canada Operations  
5925 McLaughlin Road  
Mississauga, Ontario, L5R 1B8  
Canada  
EatonCanada.ca  
Eaton.com/arrowhart

Electrical Sector  
Mexico Operations  
Carr. Tlalhepantla -  
Cuautitlán Km 17.8 s/n  
Col. Villa Jardín esq.  
Cerrada 8 de Mayo  
Cuautitlán, México CP 54800  
México  
Eaton.mx  
Eaton.com/arrowhart

# Residential grade toggle switches

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

## Description

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

## Design features

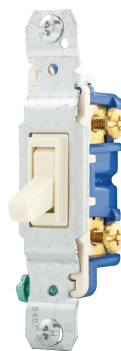
- 3-way switches feature additional push-in common termination for feed-through tapping
- Push-in terminals accept #14 AWG solid wire only; side wire terminals accept up to #10 AWG solid wire
- Long, broad mounting strap virtually eliminates floating installations
- Patented built-in wire stripper for #12 and #14 AWG wire to speed 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



1301



1303



1301-73



1301-7LT

**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  | A, B, BK, LA, V, W |

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

# EATON

Powering Business Worldwide

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

**Table 2. Specifications**

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

**Table 3. Materials**

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

|          |          |           |            |          |          |
|----------|----------|-----------|------------|----------|----------|
| <b>A</b> | <b>B</b> | <b>BK</b> | <b>LA</b>  | <b>V</b> | <b>W</b> |
| Almond   | Brown    | Black     | Lt. Almond | Ivory    | White    |

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

## Product Dimensions

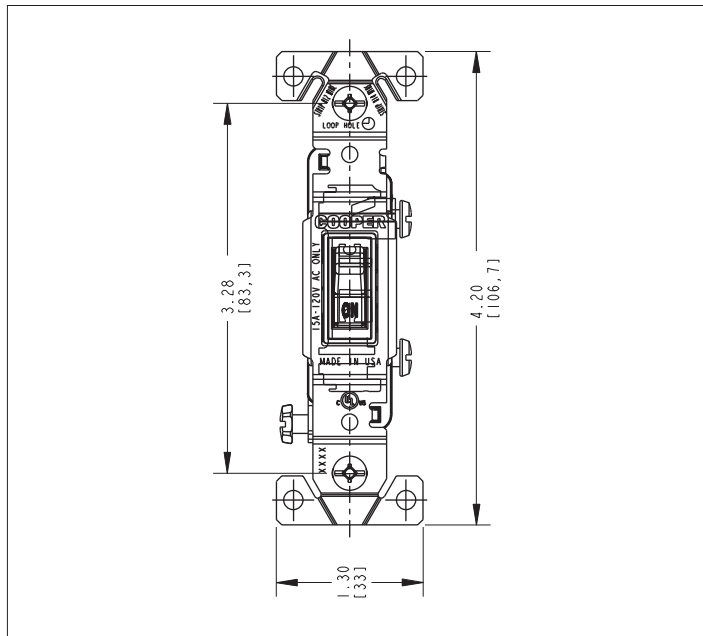


Figure 1. 1301 Line Art With Dimensions

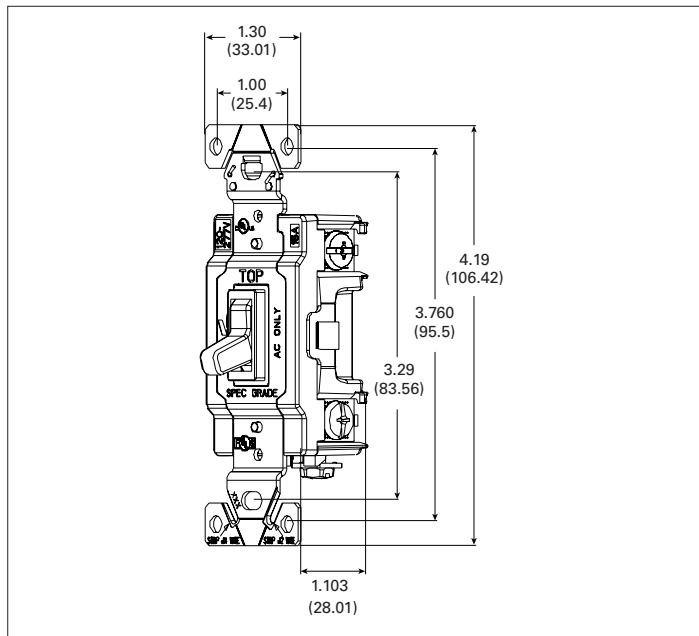


Figure 2. 1242-7 Line Art With Dimensions

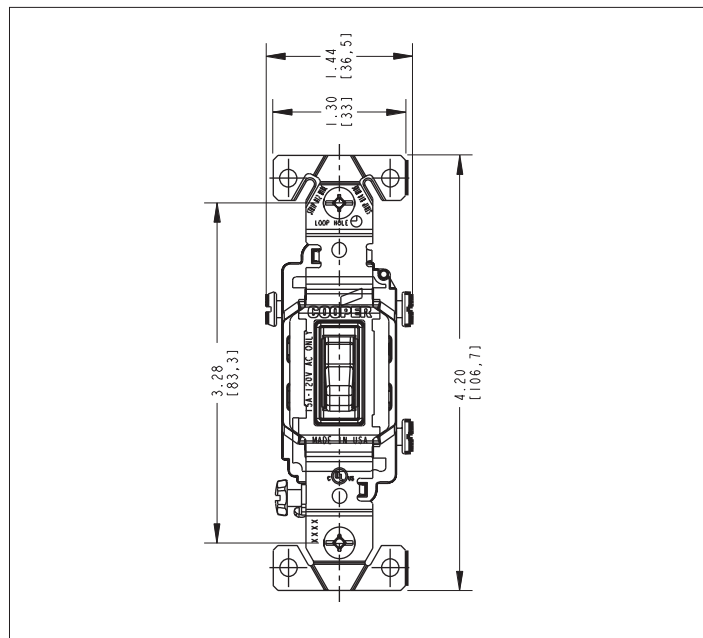










Figure 3. 1303 Line Art With Dimensions

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

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 426  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.

Electrical Sector  
203 Cooper Circle  
Peachtree City, GA 30269  
United States  
Eaton.com  
Eaton.com/arrowhart

Electrical Sector  
Canada Operations  
5925 McLaughlin Road  
Mississauga, Ontario, L5R 1B8  
Canada  
EatonCanada.ca  
Eaton.com/arrowhart

Electrical Sector  
Mexico Operations  
Carr. Tlalhepantla -  
Cuautitlán Km 17.8 s/n  
Col. Villa Jardín esq.  
Cerrada 8 de Mayo  
Cuautitlán, México CP 54800  
México  
Eaton.mx  
Eaton.com/arrowhart