Tamper & weather resistant receptacles

Eaton’s
Tamper & weather resistant receptacles
Tamper resistant receptacles feature a UL Listed safety shutter system that prevents the insertion of foreign objects into a receptacle. The safety shutters will only open upon simultaneous insertion of 2 plug blades.

Weather resistant receptacles are designed with nylon and corrosion resistant metal components; when installed in an approved weather protective cover, weather resistant receptacles offer extra durable protection from rain, snow, ice, moisture and humidity.

Tamper & weather resistant receptacles ensure safety and weather resistance in wet, damp outdoor locations. The receptacle combines the UL Listed safety shutter system with nylon and corrosion resistant metal. When installed appropriately, device is ideal for residential and commercial living areas as well as recreational facilities.

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How the tamper resistant system works:

Shutters restrict access in closed position. Insertion of object in any one side will not open shutters. Insertion of two-bladed plug or grounding plug will open shutters.

Tamper resistant receptacle marks, identifiers and standards

“TR” mold mark provides quick visual confirmation of tamper resistance when installed. Hospital grade devices, signified by green dot, have passed rigorous testing procedures.

“WR” identifier quickly indicates during inspections that a weather resistant receptacle has been installed.

Both the “TR” mold mark and “WR” identifier are clearly visible in the finished installation, indicating double-layer protection for maximum safety.

Commercial locations 2014 NEC
406.12 (B) guest rooms & guest suites
406.12 (C) child care facilities
517.18 (C) pediatric locations
Receptacles located in these areas shall be listed under tamper resistant or employ a listed tamper resistant cover.

Dwelling units
2014 NEC - 406.12 (A)
In all areas specified in 210.52 all 125-volt, 15- and 20-amp receptacles shall be listed tamper resistant receptacles.

Damp or wet locations
2014 NEC - 406.9
All 15- and 20-amp, 125- and 250-volt non-locking receptacles installed in wet or damp locations shall be weather resistant receptacles.
Tamper resistant receptacles

**Single and duplex receptacles**

**Product description**
- 2-pole, 3-wire grounding
- 15A, 125V/AC; 20A, 125V/AC

**Design features**
- Tamper resistant receptacles provide compliance with 2014 NEC® Article 406.12 which states that all 15A and 20A, 125V/AC receptacles installed in dwelling units must be tamper resistant
- “TR” designation provides visual identification
- High impact-resistant thermoplastic face and back body eliminates breakage
- Patented built-in wire stripper for #14 and #12 AWG wire to speed installation
- Push-in terminals accept #14 AWG solid wire for quick installation
- Double-wipe ground contacts ensure long-term ground retention
- Side wire terminals accept up to #10 AWG solid wire

<table>
<thead>
<tr>
<th>Residential grade tamper resistant receptacles</th>
<th>Color suffix</th>
<th>Catalog no.</th>
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<tbody>
<tr>
<td>Rating</td>
<td>A V/AC</td>
<td>NEMA</td>
</tr>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R</td>
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<tr>
<td>15</td>
<td>125</td>
<td>Aspire duplex receptacle</td>
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<td></td>
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<td>Aspire single receptacle</td>
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<tr>
<td>20</td>
<td>125</td>
<td>5-20R</td>
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<tr>
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</tbody>
</table>

* Not Fed Spec

**Color ordering information:**
For ordering devices, include Catalog no. followed by the Color suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White), AW (Alpine White), DS (Desert Sand), SG (Silver Granite), WS (White Satin)

**Specification information:** Page 8
Compliances, specifications and availability are subject to change without notice.
Tamper resistant receptacles

Self-test GFCI receptacles

Product description
2-pole, 3-wire grounding
15A, 125V/AC; 20A, 125V/AC

Design features
• Tamper resistant receptacles provide compliance with 2014 NEC® Article 406.12 which states that all 15A and 20A, 125V/AC receptacles installed in dwelling units must be tamper resistant
• “TR” designation provides visual identification
• High impact-resistant thermoplastic face and back body eliminates breakage
• Longer, wider “bridge” strap provides 40% more contact area with wallboard, virtually eliminating floating installations

Tamper resistant self-test GFCI receptacles

<table>
<thead>
<tr>
<th>Rating</th>
<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
<th>Catalog no.</th>
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<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R Duplex GFCI, back &amp; side wire</td>
<td>A, B, BK, GY, LA, V, W</td>
<td>TRSGF15__</td>
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<tr>
<td></td>
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<td>Aspire duplex GFCI</td>
<td>AW, DS, SG, WS</td>
<td>9566TR__</td>
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<tr>
<td></td>
<td></td>
<td>Hospital grade duplex GFCI, back &amp; side wire</td>
<td>B, BK, GY, LA, RD, V, W</td>
<td>TRSGFH15__</td>
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<tr>
<td>20</td>
<td>125</td>
<td>5-20R Duplex GFCI, back &amp; side wire</td>
<td>A, B, BK, GY, LA, RD, V, W</td>
<td>TRSGF20__</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aspire duplex GFCI</td>
<td>AW, DS, SG, WS</td>
<td>9569TR__</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hospital grade duplex GFCI, back &amp; side wire</td>
<td>B, BK, GY, LA, RD, V, W</td>
<td>TRSGFH20__</td>
</tr>
</tbody>
</table>

Hospital grade receptacles

Product description
2-pole, 3-wire grounding
15A, 125V/AC; 20A, 125V/AC

Hospital grade tamper resistant receptacles

<table>
<thead>
<tr>
<th>Rating</th>
<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
<th>Catalog no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
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<td>GY, RD, V, W</td>
<td>TR8200__</td>
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<tr>
<td>20</td>
<td>125</td>
<td>5-20R Duplex receptacle, back &amp; side wire</td>
<td>B, GY, RD, V, W</td>
<td>TR8300__</td>
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</table>

Color ordering information:
For ordering devices, include Catalog no. followed by the Color suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White), AW (Alpine White), DS (Desert Sand), SG (Silver Granite), WS (White Satin)

For ArrowLink SPD connectors, see ArrowHart Buyers Guide

Compliance, specifications and availability are subject to change without notice.
Weather resistant receptacles

Duplex receptacles

Product description
2-pole, 3-wire grounding
15A, 125V/AC
20A, 125V/AC

Design features
• Provide compliance with 2014 NEC® Article 406.9 which states that all 15A and 20A, 125/250 V/AC receptacles installed in wet or damp locations be weather resistant
• High impact-resistant thermoplastic face and back body eliminates breakage
• Patented built-in wire stripper for #14 and #12 AWG wire to speed installation
• Push-in terminals accept #14 AWG solid wire for quick installation
• Patented built-in wire looper for pre-looping
• Double-wipe ground contacts ensure long-term ground retention
• Side wire terminals accept up to #10 AWG solid wire

Commercial grade weather resistant receptacles

<table>
<thead>
<tr>
<th>Rating</th>
<th>V/AC</th>
<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
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</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R</td>
<td>Duplex receptacle, back &amp; side wire</td>
<td>B, V, W</td>
<td>WRBR15__</td>
</tr>
<tr>
<td>20</td>
<td>125</td>
<td>5-20R</td>
<td>Duplex receptacle, back &amp; side wire</td>
<td>B, V, W</td>
<td>WRBR20__</td>
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</table>

Weather resistant self-test GFCI receptacles

<table>
<thead>
<tr>
<th>Rating</th>
<th>V/AC</th>
<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R</td>
<td>Duplex GFCI, back &amp; side wire</td>
<td>B, GY, V, W</td>
<td>WRSGF15__</td>
</tr>
<tr>
<td>20</td>
<td>125</td>
<td>5-20R</td>
<td>Duplex GFCI, back &amp; side wire</td>
<td>B, BK, GY, V, W</td>
<td>WRSGF20__</td>
</tr>
</tbody>
</table>

Color ordering information:
For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), BK (Black), GY (Gray), V (Ivory), W (White)

ArrowLink option available. Add “MOD” suffix to standard catalog number (example WRSGF15W, WRSGF20WMOD).

Compliances, specifications and availability are subject to change without notice.
Tamper & weather resistant receptacles

Duplex receptacles

Product description
2-pole, 3-wire grounding
15A, 125V/AC
20A, 125V/AC

Design features
- Tamper and weather resistant receptacles provide both tamper resistant safety and ensure weather resistance in wet and damp outdoor locations
- High impact-resistant thermoplastic face and back body eliminates breakage
- Patented built-in wire stripper for #14 and #12 AWG wire to speed installation
- Push-in terminals accept #14 AWG solid wire for quick installation
- Patented built-in wire looper for pre-looping
- Double-wipe ground contacts ensure long-term ground retention
- Side wire terminals accept up to #10 AWG solid wire

Residential grade tamper & weather resistant receptacles

<table>
<thead>
<tr>
<th>Rating</th>
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<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
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</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R</td>
<td>Duplex receptacle, side &amp; push wire</td>
<td>GY, LA, V, W</td>
<td>TWR270__</td>
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</tr>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R</td>
<td>Duplex receptacle, back &amp; side wire</td>
<td>B, GY, LA, V, W</td>
<td>TWRBR15__</td>
<td></td>
</tr>
</tbody>
</table>

cULus Listed to UL498, file no. E15058; NOM certified

Commercial grade tamper & weather resistant receptacles

<table>
<thead>
<tr>
<th>Rating</th>
<th>A</th>
<th>V/AC</th>
<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
<th>Catalog no.</th>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>5-15R</td>
<td>Duplex receptacle, back &amp; side wire</td>
<td>B, GY, LA, V, W</td>
<td>TWRBR20__</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>125</td>
<td>5-20R</td>
<td>Duplex receptacle, back &amp; side wire</td>
<td>B, GY, LA, V, W</td>
<td>TWRSGF20__</td>
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</table>

Tamper & weather resistant self-test GFCI receptacles

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<tr>
<th>Rating</th>
<th>A</th>
<th>V/AC</th>
<th>NEMA</th>
<th>Description</th>
<th>Color suffix</th>
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</thead>
<tbody>
<tr>
<td>15</td>
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<td>5-15R</td>
<td>Duplex GFCI, back &amp; side wire</td>
<td>B, GY, LA, V, W</td>
<td>TWRSGF15__</td>
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<td>20</td>
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<td>5-20R</td>
<td>Duplex GFCI, back &amp; side wire</td>
<td>B, GY, LA, V, W</td>
<td>TWRSGF20__</td>
<td></td>
</tr>
</tbody>
</table>

Includes standard size unbreakable wallplate unless otherwise noted
Consult factory customer service representative for additional packaging options

Color ordering information:
For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), GY (Gray), LA (Light Almond), V (Ivory), W (White)

Tamper & weather resistant receptacles

RoHS compliant
							Indicates NAFTA compliant
							Build-to-spec customizable devices
							Tamper resistant
							Weather resistant

specification information: Page 11
Compliances, specifications and availability are subject to change without notice.
# Tamper resistant receptacles

## Specification & Performance Data

### Product description

- **2-pole, 3-wire grounding**
- **15A, 125V/AC; 20A, 125V/AC**
- **NEMA 5-15, 5-20**

### Device Type

<table>
<thead>
<tr>
<th>Device Type</th>
<th>Residential grade tamper resistant duplex &amp; single receptacles</th>
<th>Commercial grade tamper resistant duplex &amp; single receptacles</th>
</tr>
</thead>
</table>

### Wiring Type

- Back & side wire: 9508TR, 9510TR
- Push & side wire: TR270, TR1107, 9505TR, 9507TR

### Testing & Code Compliance

- cULus Listed to UL498, file no. E15058
- cUL Certified to CSA C22.2, no. 42
- NOM/ANSI certified
- UL verified to Fed Spec WC-596G (TRBR), WC-596/12-1 (TR6200, TR6300)
- NOM/ANSI certified; NOM listed (TRBR)

### Environmental Specifications

- **Flammability:** Meets UL94 requirements; TR1107, TR270, 9505TR: V2 rated, 9507TR, 9508TR: V2 rated
- **Temperature Rating:** TR1107, TR270, 9505TR: -20°C to 60°C (-4°F to 140°F); 9507TR, 9508TR, 9510TR: -20°C to 70°C (-4°F to 158°F)

### Electrical Specifications

- **Dielectric Voltage:** Withstands 2000V per UL498
- **Current Interrupting:** Yes, at full-rated current
- **Temperature Rise:** Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)

### Mechanical Specifications

- **Terminal Accommodation:** #14 - #10 AWG
- **Voltage Ratings:** Permanently marked on device

### Materials

- **Top Housing:** TR1107, TR270, 9505TR: PVC; 9507TR, 9508TR, 9510TR: Nylon
- **Bottom Housing:** TR1107, TR270, 9505TR: PVC; 9507TR, 9508TR: PVC; 9510TR: PVC
- **Strap:** 0.040” thick galvanized steel; TR1107, TR270, 9505TR: Nickel plated steel: 9507TR, 9508TR, 9510TR
- **Line Contacts:** Brass alloy
- **Terminal & Ground Screws:** Brass/nickel plated steel
- **Terminal Clamps:** Brass-plated steel: 9507TR, 9508TR; Steel: 9510TR
- **Tamper Resistant Shutters:** Reliable Delrin® shutter assembly

### Compliances, Specifications and Availability

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

Delrin® is a registered trademark of E. I. du Pont de Nemours
## Tamper resistant receptacles specification & performance data

### Product description
2-pole, 3-wire grounding  
15A, 125V/AC; 20A, 125V/AC  
NEMA 5-15, 5-20

<table>
<thead>
<tr>
<th>Device type</th>
<th>Specification grade tamper resistant duplex GFCI receptacles 15A &amp; 20A TRSGF, TRSGFH (Hospital grade), TR606TR series</th>
<th>Hospital grade tamper resistant duplex receptacles TR6200, TR6300 series</th>
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<tbody>
<tr>
<td>Wiring type</td>
<td>Back &amp; side wire</td>
<td>Back &amp; side wire</td>
</tr>
</tbody>
</table>
| Testing & code compliance | • cULus Listed to UL498 and UL943, file no. E60120  
• Meets all UL943 (GFCI), UL498 (Receptacles), UL498 Hospital grade and applicable CSA requirements  
• NOM certified | • Listed to UL498, file no. E1505  
• UL verified to Fed. Spec. WC596-G  
• NOM certified |
| Environmental specifications | Flammability: Meets UL94 requirements; V2 rated  
Temperature rating: -35ºC to 66ºC (-31ºF to 150.8ºF) | Flammability: Meets UL94 requirements; V2 rated  
Temperature rating: -20ºC to 90ºC (-4ºF to 194ºF) |
| Electrical specifications | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: max. 30ºC (88ºF) after 100 cycles of overload @ 150% of rated current (DC) | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30ºC (88ºF) after 258 cycles of overload @ 200% of rated current (DC) |
| Mechanical specifications | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device |
| Materials | Top housing: Nylon (TRSGFH), polypropylene (TRSGF)  
Bottom housing: PVC (TRSGF), polycarbonate (TRSGFH)  
Strap: 0.040" thick steel, zinc plated (TRSGF), 0.047" thick steel, zinc plated (TRSGFH)  
Line contacts: 0.035" thick brass  
Terminal & ground screws: Brass/nickel plated steel  
Terminal clamps: Plated steel  
Tamper resistant shutters: Reliable Delrin® shutter assembly | Top housing: Nylon  
Bottom housing: PVC  
Strap: 0.05" thick steel, zinc plated  
Line contacts: 0.037" thick triple-wire brass  
Terminal & ground screws: #6-32 steel, neutral screw nickel plated  
Ground: #8-32 steel, green  
Terminal clamps: N/A  
Tamper resistant shutters: Reliable Delrin® shutter assembly |

Delrin® is a registered trademark of E. I. du Pont de Nemours

Compliances, specifications and availability are subject to change without notice.
### Weather resistant receptacles

#### Product description
2-pole, 3-wire grounding  
15A, 125V/AC; 20A, 125V/AC  
NEMA 5-15, 5-20

<table>
<thead>
<tr>
<th>Device type</th>
<th>Commercial grade weather resistant duplex receptacles</th>
<th>Specification grade weather resistant duplex GFCI receptacles</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wiring type</strong></td>
<td>Back &amp; side wire</td>
<td>Back &amp; side wire</td>
</tr>
</tbody>
</table>
| **Testing & code compliance** | • cULus Listed to UL498, file no. E15058  
• UL verified to Fed. Spec. WC596-G  
• NOM/ANSI certified  | • cULus Listed to UL498, file no. E60120  
• UL verified to Fed. Spec. WC596-G  
• NOM certified  |
| **Environmental specifications** | Flammability: Meets UL94 requirements; V2 rated  
Temperature rating: -20ºC to 70ºC (-4ºF to 158ºF)  | Flammability: Meets UL94 requirements; V2 rated  
Temperature rating: -35ºC to 66ºC (-31ºF to 150.8ºF)  |
| **Electrical specifications** | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 38°C (100ºF) after 250 cycles of overload  
@ 200% of rated current (DC)  | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 38°C (100ºF) after 100 cycles of overload  
@ 150% of rated current (DC)  |
| **Mechanical specifications** | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device  | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device  |
| **Materials** | Top housing: Nylon  
Bottom housing: PVC  
Strap: 0.050" thick steel, nickel plated  
Line contacts: 0.03" thick triple wipe brass  
Terminal & ground screws: #8-32 brass, neutral screw  
nickel plated, Ground: #8-32 brass, green  
Terminal clamps: Nickel plated steel  | Top housing: Nylon  
Bottom housing: PVC  
Strap: 0.040" thick steel, nickel plated  
Line contacts: 0.030" thick brass  
Terminal & ground screws: Brass/nickel plated stainless steel,  
Ground: Stainless steel  
Terminal clamps: Nickel plated steel  |

Commissions, specifications and availability are subject to change without notice.
## Tamper & weather resistant GFCI receptacles

### Product description

2-pole, 3-wire grounding  
15A, 125V/AC; 20A, 125V/AC  
NEMA 5-15, 5-20

<table>
<thead>
<tr>
<th>Device type</th>
<th>Residential grade tamper &amp; weather resistant duplex receptacles</th>
<th>Commercial grade tamper &amp; weather resistant duplex receptacles</th>
<th>Commercial grade tamper &amp; weather resistant duplex receptacles</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wiring type</strong></td>
<td>Push &amp; side wire</td>
<td>Back &amp; side wire</td>
<td>Back &amp; side wire</td>
</tr>
</tbody>
</table>
| **Testing & code compliance** | • cULus Listed to UL498  
• cUL Certified to CSA C22.2, no. 42  
• NOM/ANSI certified | • cULus Listed to UL498, file no. E15058  
• UL verified to Fed. Spec. WC596-G  
• NOM/ANSI certified | • cULus Listed to UL498, file no. E15058  
• UL verified to Fed. Spec. WC596-G  
• NOM/ANSI certified |
| **Environmental specifications** | Flammability: Meets UL94 requirements; V0 rated  
Temperature rating: -20°C to 60°C (-4°F to 140°F) | Flammability: Meets UL94 requirements; V2 rated  
Temperature rating: -20°C to 70°C (-4°F to 158°F) | Flammability: Meets UL94 requirements; V2 rated  
Temperature rating: -20°C to 70°C (-4°F to 158°F) |
| **Electrical specifications** | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC) | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC) | Dielectric voltage: Withstands 2000V per UL498  
Current interrupting: Yes, at full-rated current  
Temperature rise: Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC) |
| **Mechanical specifications** | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device | Terminal accommodation: #14 - #10 AWG  
Voltage ratings: Permanently marked on device |
| **Materials** | Top housing: Thermoplastic, PVC  
Bottom housing: Thermoplastic, PVC  
Strap: Nickel plated steel  
Line contacts: Brass alloy  
Terminal & ground screws: Brass/nickel plated stainless steel  
Terminal clamps: N/A | Top housing: Nylon  
Bottom housing: Nylon  
Strap: 0.050” thick steel, nickel plated  
Line contacts: 0.03” thick triple wipe brass  
Terminal & ground screws: #8-32 brass, stainless screw nickel plated, ground: #8-32 brass, green  
Terminal clamps: Nickel plated steel | Top housing: Nylon  
Bottom housing: PVC  
Strap: 0.040” thick steel, nickel plated  
Line contacts: 0.030” thick brass  
Terminal & ground screws: Terminal: N/A; Ground: stainless steel  
Terminal clamps: Nickel plated steel |

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