Duplex Receptacles – Product Features

Extra Heavy Duty Industrial Grade Duplex Receptacles

- Heavy-duty, copper alloy self-grounding system
- Back wire ground clamp
- Circuit ID marking area
- One-piece grounding system with integral solid brass grounding contacts

- Back wiring: eight wiring pockets for convenient feed-thru wiring; clamp-type terminals
- Easy access break-off tab for two-circuit wiring
- Brass terminal screws; accepts up to #10 wire
- Thick-walled, high-impact nylon wrap-around face and base

- Heavy-duty nickel and brass plated steel wrap-around yoke
- Thread-cleaning, captive mounting screws

Corrosion-Resistant Duplex Receptacles

- Stainless steel mounting screws resist corrosion
- Circuit ID marking area
- Nickel and tin plated copper-alloy contacts and terminals resist corrosion
- One-piece, triple-wipe line contacts

- Molded of impact/chemical resistant high visibility yellow nylon
- Heavy-duty nickel-plated brass mounting straps resist corrosion

For the latest prices, please check AutomationDirect.com.
Industrial Grade Duplex Straight Blade Receptacles

Features

- One-piece grounding system, including integral self-grounding strap
- Full-face, wraparound design is molded of high-impact, chemical-resistant nylon
- Extended barrier (shroud) on sides of cover surround wire terminals for added insulation and isolation of conductors
- Heavy-duty wraparound steel yoke locked in for maximum strength and security
- Double-plated yoke (nickel & brass) to resist corrosion
- Back wiring: eight wiring pockets for convenient feed thru wiring, clamp-type terminals accept up to #10 wire
- Terminal screws: brass combination Phillips/slotted/Robertson binding head accepts up to #10 wire
- Approved for CU wire only
- Large green, combination Phillips/slotted/Robertson hex head grounding screw
- Back wire ground clamp for quick and convenient wiring
- Center splined bushing interlocks with receptacle body to prevent rotation when fastening wall plates
- Easily accessible break-off tab for two-circuit wiring
- ID surface on cover for marking clear identification of circuits
- One-piece triple-wipe brass line contacts
- Double-wipe brass grounding contacts
- Strip gauge for accurate wiring

Agency Approvals/Standards

- UL File E2258 Guide #RRTT
- CSA Certified File LR16215 Guide #365E1
- Complies with NEMA standards WD-1, WD-6, AND UL498
- Verified under Fed. Spec. #WC596 (where applicable)
- CE

Duplex Straight Blade Receptacles

<table>
<thead>
<tr>
<th>Poles</th>
<th>Amperage</th>
<th>NEMA #</th>
<th>Voltage</th>
<th>Configuration</th>
<th>Part Number</th>
<th>Color</th>
<th>Style</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Pole 3 Wire</td>
<td>15A</td>
<td>5-15</td>
<td>125V AC/DC</td>
<td>5-15R</td>
<td>BRY5262GRY</td>
<td>Gray</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5262CR*</td>
<td>Yellow</td>
<td>$16.50</td>
<td></td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>BRY5262</td>
<td>Brown</td>
<td>$11.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6-15</td>
<td>250V AC/DC</td>
<td>6-15R</td>
<td>BRY5662</td>
<td>Brown</td>
<td>$13.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5-20</td>
<td>15A</td>
<td>5-20R</td>
<td>125V AC/DC</td>
<td>BRY5362GRY</td>
<td>Gray</td>
<td>$12.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5362CR*</td>
<td>Yellow</td>
<td>$21.50</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5362</td>
<td>Brown</td>
<td>$13.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-20</td>
<td>250V AC/DC</td>
<td>6-20R</td>
<td>BRY5462</td>
<td>Brown</td>
<td>$16.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Corrosion-resistant, nylon construction, self-grounding, back- and side-wired

For the latest prices, please check AutomationDirect.com.
# Duplex Straight Blade Receptacles Specifications

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>BRY5262GRY</th>
<th>BRY5662</th>
<th>BRY5363GRY</th>
<th>BRY5462</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BRY5262</td>
<td>BRY5362</td>
<td>BRY5362CR</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specifications</th>
<th>BRY5262GRY</th>
<th>BRY5662</th>
<th>BRY5363GRY</th>
<th>BRY5462</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Amperage</strong></td>
<td>15A</td>
<td></td>
<td>20A</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum working voltage</strong></td>
<td>125V AC/DC</td>
<td>250V AC/DC</td>
<td>125V AC/DC</td>
<td>250V AC/DC</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>Maximum continuous 60°C, minimum -40°C (without impact)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature rise</strong></td>
<td>Less than 30°C temperature rise at full rated current after 50 cycles overload at 150% rated current for either AC or DC applications per UL498</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Terminal accommodation</strong></td>
<td>#14-#10 AWG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Copper conductor only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Terminal screw</strong></td>
<td>Fork slot = 0.400 x 0.060</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>terminal screw #10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Torque specifications</strong></td>
<td>Terminal screw 14 lb-in</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1.6 N-m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dielectric voltage</strong></td>
<td>Withstands 2000V per UL498</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Dimensions in inches [mm]

- Width: 1.54 [39.2]
- Height: 4.06 [103.1]
- Depth: 3.28 [83.3]
- Plate thickness: 0.18 [4.6]
- Terminal screw: 0.92 [23.4]
- Hole diameter: 1.17 [29.7]
- Screw thread: #6-32 TAP

For the latest prices, please check AutomationDirect.com.
Watertight Wiring Devices - Weather Protective Accessories

Portable Outlet Boxes Features
- Non-conductive, impact resistant thermoplastic elastomer boxes reduce the exposure to potential hazards
- Automatic centering strain relief cord clamps
- NEMA Type 1, IP44
- Cord range 0.38” to 0.50” [9.7 mm to 12.7 mm]
- For use with 15A or 20A duplex receptacles (not included)
- Flip seals protect against wet environments and moisture when closed

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRY3099</td>
<td>Portable outlet box, 2 sides open to allow for up to 2 duplex receptacles, accepts cord size 0.38 to 0.5 in, NEMA 1, PBT thermoplastic elastomer housing, yellow.</td>
<td>$42.00</td>
</tr>
<tr>
<td>BRY3056</td>
<td>Outlet box cover with lift cover, UL Type 3R, for use with portable outlet box BRY3099 and 15A or 20A duplex receptacles (not included)</td>
<td>$18.00</td>
</tr>
<tr>
<td>BRY3054</td>
<td>Blank cover plate, UL Type 3R. For use with portable outlet box BRY3099.</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

Materials
- Box enclosure: Thermoplastic elastomer, yellow
- Strain relief nut: PBT
- Grommet: Thermoplastic elastomer
- Gotcha ring: Nylon
- Locknut: Steel, zinc plate
- Threaded inserts: Brass
- Receptacle screw: Stainless steel
- Cover plate: PBT
- Cover plate seal: Neoprene
- Cover plate spring: Stainless steel
- Hinge pin: Stainless steel
- Hinge bracket: Stainless steel
- Rivets: Zinc plated steel

UL Cross Reference

<table>
<thead>
<tr>
<th>Part Number</th>
<th>UL Part Number</th>
<th>UL File Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRY3099</td>
<td>HBL3099</td>
<td>E92074</td>
</tr>
<tr>
<td>BRY3056</td>
<td>HBL3056</td>
<td>E92074</td>
</tr>
<tr>
<td>BRY3054</td>
<td>HBL3054</td>
<td>E92074</td>
</tr>
</tbody>
</table>

For the latest prices, please check AutomationDirect.com.
Watertight Wiring Devices - Weather Protective Accessories

Dimensions

Inches [mm]

BRY3056

- Dimensions:
  - 5.79 [147.0]
  - 4.30 [109.2]
  - 5.00 [127.0]

BRY3054

- Dimensions:
  - 2.28 [57.9]
  - 3.28 [83.3]
  - 3.78 [96.0]

BRY3059

- Dimensions:
  - 2.88 [73.0]
  - 2.77 [70.4]

BRY3056

- Dimensions:
  - 2.40 [60.8]
  - 2.28 [57.9]
  - 3.28 [83.3]
  - 3.78 [96.0]

For the latest prices, please check AutomationDirect.com.
Wiring Devices - NEMA Configuration Chart

### Locking Style NEMA Configurations

<table>
<thead>
<tr>
<th>Voltage</th>
<th>NEMA #</th>
<th>15 Ampere</th>
<th>20 Ampere</th>
<th>30 Ampere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Receptacle/Plug</td>
<td>Receptacle/Plug</td>
<td>Receptacle/Plug</td>
</tr>
<tr>
<td>125V</td>
<td>L5</td>
<td><img src="image.png" alt="L5-15R" /></td>
<td><img src="image.png" alt="L5-20R" /></td>
<td><img src="image.png" alt="L5-30R" /></td>
</tr>
<tr>
<td>250V</td>
<td>L6</td>
<td><img src="image.png" alt="L6-15R" /></td>
<td><img src="image.png" alt="L6-20R" /></td>
<td><img src="image.png" alt="L6-30R" /></td>
</tr>
<tr>
<td>277V</td>
<td>L7</td>
<td><img src="image.png" alt="L7-15R" /></td>
<td><img src="image.png" alt="L7-20R" /></td>
<td><img src="image.png" alt="L7-30R" /></td>
</tr>
<tr>
<td>480V</td>
<td>L8</td>
<td><img src="image.png" alt="L8-15R" /></td>
<td><img src="image.png" alt="L8-20R" /></td>
<td><img src="image.png" alt="L8-30R" /></td>
</tr>
<tr>
<td>600V</td>
<td>L9</td>
<td><img src="image.png" alt="L9-15R" /></td>
<td><img src="image.png" alt="L9-20R" /></td>
<td><img src="image.png" alt="L9-30R" /></td>
</tr>
<tr>
<td>125/250V</td>
<td>L14</td>
<td><img src="image.png" alt="L14-15R" /></td>
<td><img src="image.png" alt="L14-20R" /></td>
<td><img src="image.png" alt="L14-30R" /></td>
</tr>
<tr>
<td>3Ø 250V</td>
<td>L15</td>
<td><img src="image.png" alt="L15-15R" /></td>
<td><img src="image.png" alt="L15-20R" /></td>
<td><img src="image.png" alt="L15-30R" /></td>
</tr>
<tr>
<td>3Ø 480V</td>
<td>L16</td>
<td><img src="image.png" alt="L16-15R" /></td>
<td><img src="image.png" alt="L16-20R" /></td>
<td><img src="image.png" alt="L16-30R" /></td>
</tr>
<tr>
<td>3Ø 600V</td>
<td>L17</td>
<td><img src="image.png" alt="L17-15R" /></td>
<td><img src="image.png" alt="L17-20R" /></td>
<td><img src="image.png" alt="L17-30R" /></td>
</tr>
<tr>
<td>3Ø 120/208V</td>
<td>L21</td>
<td><img src="image.png" alt="L21-15R" /></td>
<td><img src="image.png" alt="L21-20R" /></td>
<td><img src="image.png" alt="L21-30R" /></td>
</tr>
<tr>
<td>3Ø 277/480V</td>
<td>L22</td>
<td><img src="image.png" alt="L22-15R" /></td>
<td><img src="image.png" alt="L22-20R" /></td>
<td><img src="image.png" alt="L22-30R" /></td>
</tr>
</tbody>
</table>

### Straight-Blade Style NEMA Configurations

<table>
<thead>
<tr>
<th>Voltage</th>
<th>NEMA #</th>
<th>15 Ampere</th>
<th>20 Ampere</th>
<th>30 Ampere</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Receptacle/Plug</td>
<td>Receptacle/Plug</td>
<td>Receptacle/Plug</td>
</tr>
<tr>
<td>125V</td>
<td>5</td>
<td><img src="image.png" alt="5-15R" /></td>
<td><img src="image.png" alt="5-20R" /></td>
<td><img src="image.png" alt="5-30R" /></td>
</tr>
<tr>
<td>250V</td>
<td>6</td>
<td><img src="image.png" alt="6-15R" /></td>
<td><img src="image.png" alt="6-20R" /></td>
<td><img src="image.png" alt="6-30R" /></td>
</tr>
</tbody>
</table>

Note: Please see Appendix for
1.) Mechanical and electrical properties of material data
2.) Chemical resistance of material
3.) Table III Hp rating chart
Wiring Devices – NEMA Wiring Diagrams

Reference material only. Please see Wiring Section in the catalog for product part number.

2-Pole 2-Wire

125V

208V or 250V

2-Pole 3-Wire Grounding

125V

208V or 250V

277V AC

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Wiring Devices – NEMA Wiring Diagrams

2-Pole 3-Wire Grounding

480V AC

600V AC

3-Pole 3-Wire

125V/250V AC

3Ø 250V AC

3Ø 480V AC

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Wiring Devices – NEMA Wiring Diagrams

3-Pole 3-Wire Continued

3φ 600V AC

600V AC 600V AC 600V AC

L13-30R

3-Pole 4-Wire Grounding

125/250V AC

250V AC 125V AC 125V AC 250V AC

14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

250V AC 250V AC 250V AC 250V AC


3φ 250V AC

250V AC 250V AC 250V AC 250V AC


3φ 480V AC

480V AC 480V AC 480V AC 480V AC

L16-20R L16-30R

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Wiring Devices – NEMA Wiring Diagrams

3-Pole 4-Wire Grounding Continued

3Ø 600V AC

4-Pole 4-Wire

3ØY 120/208V AC

3ØY 277/480V AC

3ØY 347/600V AC

For the latest prices, please check AutomationDirect.com.
Wiring Devices – NEMA Wiring Diagrams

4-Pole 5-Wire Grounding

3ØY 120/208V AC

3ØY 277/480V AC

3ØY 347/600V AC

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