**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
- Thick-walled, high-impact nylon wrap-around face and base
- Thread-cleaning, captive mounting screws
- Heavy-duty nickel and brass plated steel wrap-around yoke
- Brass terminal screws; accepts up to #10 wire
- Easy access break-off tab for two-circuit wiring
- Back wiring: eight wiring pockets for convenient feed-thru wiring; clamp-type terminals
- One-piece, triple-wipe line contacts
- One-piece rivetless copper-alloy power contacts reduce heat buildup and provide secure plug blade retention
- Molded of impact/chemical resistant high visibility yellow nylon
- Thread-cleaning, captive mounting screws
- Heavy-duty nickel-plated brass mounting straps resist corrosion
- For the latest prices, please check AutomationDirect.com.

**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 rivetless copper-alloy power contacts reduce heat buildup and provide secure plug blade retention
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
- CE

**Agency Approvals/Standards**

- UL File E2258 Guide #RTRT
- 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>G</td>
<td>BRY5262</td>
<td>Gray</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5-15R</td>
<td>BRY5262GRY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5262CR*</td>
<td>Yellow</td>
<td>$17.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<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>G</td>
<td>6-15R</td>
<td>BRY5662</td>
<td>Brown</td>
<td>$14.00</td>
<td></td>
</tr>
<tr>
<td>20A</td>
<td>5-20</td>
<td>125V AC/DC</td>
<td>G</td>
<td>5-20R</td>
<td>BRY5362</td>
<td>Gray</td>
<td>$12.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5362GRY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5362CR*</td>
<td>Yellow</td>
<td>$22.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BRY5362</td>
<td>Brown</td>
<td>$13.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6-20</td>
<td>250V AC/DC</td>
<td>G</td>
<td>6-20R</td>
<td>BRY5462</td>
<td>Brown</td>
<td>$16.50</td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Duplex Receptacle Part Numbers</th>
<th>BRY5262GRY</th>
<th>BRY5363GRY</th>
<th>BRY5262</th>
<th>BRY5362</th>
<th>BRY5462</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Amperage</strong></td>
<td>15A</td>
<td>20A</td>
<td></td>
<td></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>
<td></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>
<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>
<td></td>
</tr>
<tr>
<td><strong>Terminal accommodation</strong></td>
<td>#14-#10 AWG Copper conductor only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Terminal screw</strong></td>
<td>Fork slot = 0.400 x 0.060 terminal screw #10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Torque specifications</strong></td>
<td>Terminal screw 14 lb-in (1.6 N-m)</td>
<td></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>
<td></td>
</tr>
</tbody>
</table>

**Dimensions in inches [mm]**

![Dimensions Diagram]
**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

**Weather Protective Accessories**

<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,</td>
<td>$43.00</td>
</tr>
<tr>
<td></td>
<td>accepts cord size 0.38 to 0.5 in, NEMA 1, PBT thermoplastic elastomer housing, yellow.</td>
<td></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>$18.50</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>

<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>

**Materials**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box enclosure</td>
<td>Thermoplastic elastomer, yellow</td>
</tr>
<tr>
<td>Strain relief nut</td>
<td>PBT</td>
</tr>
<tr>
<td>Grommet</td>
<td>Thermoplastic elastomer</td>
</tr>
<tr>
<td>Gotcha ring</td>
<td>Nylon</td>
</tr>
<tr>
<td>Locknut</td>
<td>Steel, zinc plate</td>
</tr>
<tr>
<td>Threaded inserts</td>
<td>Brass</td>
</tr>
<tr>
<td>Receptacle screw</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Cover plate</td>
<td>PBT</td>
</tr>
<tr>
<td>Cover plate seal</td>
<td>Neoprene</td>
</tr>
<tr>
<td>Cover plate spring</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Hinge pin</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Hinge bracket</td>
<td>Zinc plated steel</td>
</tr>
<tr>
<td>Rivets</td>
<td>Zinc plated steel</td>
</tr>
</tbody>
</table>

**UL Cross Reference**

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>125V</td>
<td>L5</td>
<td><img src="L5-15R.png" alt="Image" /></td>
<td><img src="L5-20R.png" alt="Image" /></td>
<td><img src="L5-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>250V</td>
<td>L6</td>
<td><img src="L6-15R.png" alt="Image" /></td>
<td><img src="L6-20R.png" alt="Image" /></td>
<td><img src="L6-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>277V</td>
<td>L7</td>
<td><img src="L7-15R.png" alt="Image" /></td>
<td><img src="L7-20R.png" alt="Image" /></td>
<td><img src="L7-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>480V</td>
<td>L8</td>
<td><img src="L8-20R.png" alt="Image" /></td>
<td><img src="L8-30R.png" alt="Image" /></td>
<td><img src="L8-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>600V</td>
<td>L9</td>
<td><img src="L9-20R.png" alt="Image" /></td>
<td><img src="L9-30R.png" alt="Image" /></td>
<td><img src="L9-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>125/250V</td>
<td>L14</td>
<td><img src="L14-20R.png" alt="Image" /></td>
<td><img src="L14-30R.png" alt="Image" /></td>
<td><img src="L14-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>3Ø 250V</td>
<td>L15</td>
<td><img src="L15-20R.png" alt="Image" /></td>
<td><img src="L15-30R.png" alt="Image" /></td>
<td><img src="L15-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>3Ø 480V</td>
<td>L16</td>
<td><img src="L16-20R.png" alt="Image" /></td>
<td><img src="L16-30R.png" alt="Image" /></td>
<td><img src="L16-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>3Ø 600V</td>
<td>L17</td>
<td><img src="L17-20R.png" alt="Image" /></td>
<td><img src="L17-30R.png" alt="Image" /></td>
<td><img src="L17-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>3Ø 120/208V</td>
<td>L21</td>
<td><img src="L21-20R.png" alt="Image" /></td>
<td><img src="L21-30R.png" alt="Image" /></td>
<td><img src="L21-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>3Ø 277/480V</td>
<td>L22</td>
<td><img src="L22-20R.png" alt="Image" /></td>
<td><img src="L22-30R.png" alt="Image" /></td>
<td><img src="L22-30R.png" alt="Image" /></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>2-Pole 3-Wire</td>
<td>5</td>
<td><img src="5-15R.png" alt="Image" /></td>
<td><img src="5-20R.png" alt="Image" /></td>
<td><img src="5-30R.png" alt="Image" /></td>
</tr>
<tr>
<td>2-Pole 3-Wire</td>
<td>6</td>
<td><img src="6-15R.png" alt="Image" /></td>
<td><img src="6-20R.png" alt="Image" /></td>
<td><img src="6-30R.png" alt="Image" /></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

For the latest prices, please check AutomationDirect.com.
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

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

2-Pole 3-Wire Grounding

480V AC

600V AC

3-Pole 3-Wire

125V/250V AC

3φ 250V AC

3φ 480V AC
Wiring Devices – NEMA Wiring Diagrams

3-Pole 3-Wire Continued

3φ 600V AC

3-Pole 4-Wire Grounding

125/250V AC

3φ 250V AC

3φ 480V AC

For the latest prices, please check AutomationDirect.com.
3-Pole 4-Wire Grounding Continued

3Ø 600V AC

G

EQUIP.
GR.

L17-30R

4-Pole 4-Wire

3Ø 120/208V AC

W

SYS.
GR.


L19-20R L19-30R

3Ø 277/480V AC

W

SYS.
GR.

L19-20R L19-30R

3Ø 347/600V AC

W

SYS.
GR.

L20-20R L20-30R

For the latest prices, please check AutomationDirect.com.
4-Pole 5-Wire Grounding

**3ØY 120/208V AC**

- **W**
- **208V AC**
- **120V AC**
- **S**
- **YS.**
- **G**
- **EQUIP. GR.**

**L21-20R**

**L21-30R**

**3ØY 277/480V AC**

- **W**
- **480V AC**
- **277V AC**
- **S**
- **YS.**
- **G**
- **EQUIP. GR.**

**L22-20R**

**L22-30R**

**3ØY 347/600V AC**

- **W**
- **600V AC**
- **347V AC**
- **S**
- **YS.**
- **G**
- **EQUIP. GR.**

**L23-20R**

**L23-30R**

For the latest prices, please check AutomationDirect.com.