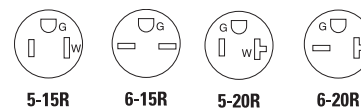


# Premium hospital grade straight blade duplex receptacles

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

## Description

2-Pole, 3-Wire Grounding  
 15A 125V/AC; 15A 250V/AC  
 20A 125V/AC; 20A 250V/AC  
 NEMA 5-15, 5-20, 6-15, 6-20



AH8200



AH8400



8410



8210

## Design features

- Exclusive screw terminal guards provide fast, easy insulation from conductive surfaces (duplex only)
- Exclusive 5-leaf brass line contacts provide consistent performance and superior plug resistance (duplex only)
- Rigid, glass reinforced nylon base lends ultimate strength and superior high heat resistance in contact carrier (duplex only)
- 0.05" (1.27mm) solid brass mounting strap with non-riveted, integral one-piece grounding system for highest durability – assures superior ground integrity and corrosion resistance under heaviest use (duplex only)
- High impact and chemical-resistant nylon face
- Tapered back wiring lead-in slots assist in gathering stranded wires for faster, more secure connections
- All terminal and mounting screws are plated, triple combination (Slot/Phillips/Robertson) head for superior corrosion resistance and maximum flexibility
- Long, broad mounting strap helps reach large panel cutouts for code compliance
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure, provides redundant measure of ground continuity where jumper used

**Table 1. Premium Hospital Grade Receptacles, Back & Side Wire**

Catalog No.	Description	Amps	Volts	Color Suffix
<input type="checkbox"/> AH8200__	NEMA 5-15R Premium Duplex Receptacle, Back & Side Wire	15	125	B, BK, GY, RD, V, W
<input type="checkbox"/> AH8200LT__	NEMA 5-15R Premium Illuminated Duplex Receptacle, Back & Side Wire	15	125	V, W
<input type="checkbox"/> 8210__	NEMA 5-15R Premium Single Receptacle, Back & Side Wire	15	125	B, GY, V, W
<input type="checkbox"/> AH8300__	NEMA 5-20R Premium Duplex Receptacle, Back & Side Wire	20	125	B, BK, GY, LA, RD, V, W
<input type="checkbox"/> AH8300LT__	NEMA 5-20R Premium Illuminated Duplex Receptacle, Back & Side Wire	20	125	RD, V
<input type="checkbox"/> 8310__	NEMA 5-20R Premium Single Receptacle, Back & Side Wire	20	125	B, RD, V, W
<input type="checkbox"/> AH8600__	NEMA 6-15R Premium Duplex Receptacle, Back & Side Wire	15	250	V, W
<input type="checkbox"/> 8610__	NEMA 6-15R Premium Single Receptacle, Back & Side Wire	15	250	V, W
<input type="checkbox"/> AH8400__	NEMA 6-20R Premium Duplex Receptacle, Back & Side Wire	20	250	B, GY, RD, V, W
<input type="checkbox"/> 8410__	NEMA 6-20R Premium Single Receptacle, Back & Side Wire	20	250	B, RD, V, W

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

## Applications

Arrow Hart's feature-rich line of hospital grade receptacles have been designed to meet and exceed the demanding requirements of UL498 and Federal Specification WC-596G to provide a consistent means of connectivity where downtime can be crucial. Features include high-impact and chemical-resistant nylon faces to withstand abuse and maintain structural integrity plus durable contact designs for long life blade retention. The entire line of hospital grade receptacles fulfill the requirements for long-term reliability, low maintenance and assured performance.

**Table 2. Specifications**

Catalog No.	AH8200, AH8300, AH8400, AH8600 Series	8210, 8310, 8410, 8610 Series
<b>Device Type</b>	<b>Premium Hospital Grade Duplex Receptacles</b>	<b>Hospital Grade Premium Single Receptacles</b>
<b>Wiring Type</b>	Back & side wire	Back & side wire
<b>Testing &amp; Code Compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL 498, file no. E15058</li> <li>UL verified to Federal Spec. WC-596G</li> <li>cULus certified to CSA spec C22.2, no. 42</li> <li>NOM certified</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL 498, file no. E15058</li> <li>UL verified to Federal Spec. WC-596G</li> <li>CSA certified to C22.2, no. 42, file no. 6914 (6233-01)</li> <li>NOM certified</li> </ul>
<b>Environmental Specifications</b>	<b>Flammability:</b> Meets UL 94 requirements; V2 rated <b>Temperature Rating:</b> -20°C to 70°C (-4°F to 158°F)	<b>Flammability:</b> Meets UL 94 requirements; V2 rated <b>Temperature Rating:</b> -20°C to 90°C (-4°F to 194°F)
<b>Electrical Specifications</b>	<b>Dielectric Voltage:</b> Withstands 2000V per UL 498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC)	<b>Dielectric Voltage:</b> Withstands 2000V per UL 498 <b>Current Interrupting:</b> Yes, at full-rated current <b>Temperature Rise:</b> Max. 30°C (86°F) after 250 cycles of overload @ 200% of rated current (DC)
<b>Mechanical Specifications</b>	<b>Terminal Accommodation:</b> #14 - 10 AWG <b>Voltage Ratings:</b> Permanently marked on device	<b>Terminal Accommodation:</b> #14 - 10 AWG <b>Voltage Ratings:</b> Permanently marked on device

**Table 3. Materials**

Catalog No.	AH8200, AH8300, AH8400, AH8600 Series	8210, 8310, 8410, 8610 Series
<b>Face</b>	Nylon	Nylon
<b>Base</b>	Glass-filled nylon	Nylon
<b>Strap</b>	0.05" thick solid brass, nickel plated	0.05" thick steel, zinc plated
<b>Auto Ground</b>	Brass (nickel plated for AH8200/AH8300) clip	Phosphor bronze staple
<b>Line Contacts</b>	0.031" thick 5-leaf 688 grade high-performance brass	0.037" thick 3-leaf brass
<b>Ground Contact</b>	Integral	Riveted
<b>Terminal Screws</b>	#8-32 brass, neutral screw nickel plated	#8-32 steel, neutral screw nickel plated
<b>Ground Screw</b>	#8-32 steel, zinc plated (green)	#8-32 steel (green)
<b>Screw Terminal Guards</b>	PVC hinged doors	N/A

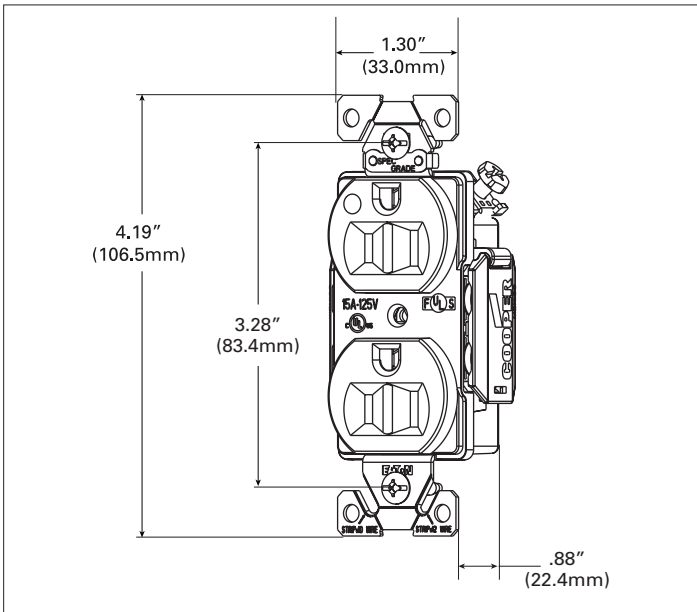
**Table 4. Color Ordering Information**

For ordering devices, include Cat. No. followed by the color code: B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White)

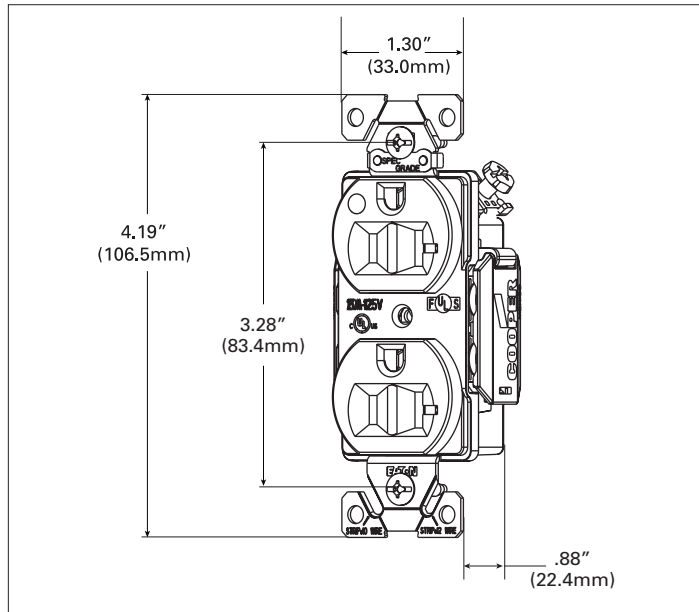
<b>B</b>	<b>BK</b>	<b>GY</b>	<b>LA</b>	<b>RD</b>	<b>V</b>	<b>W</b>
Brown	Black	Gray	Lt. Almond	Red	Ivory	White

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

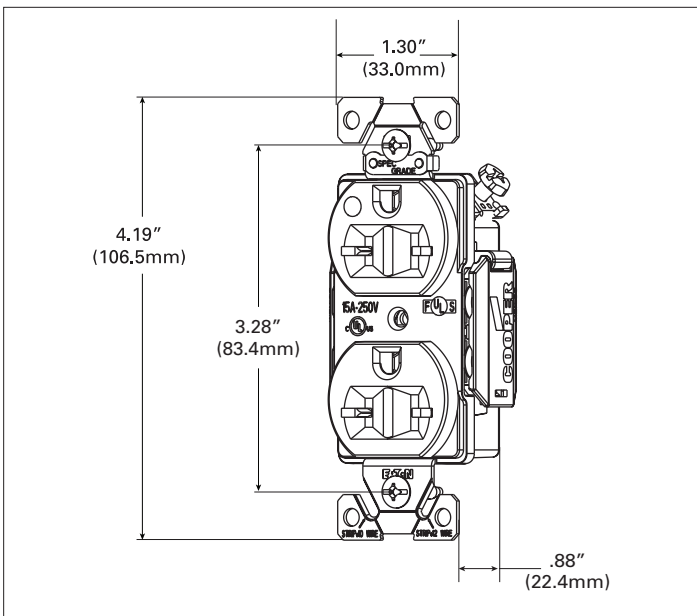
**Product Dimensions**



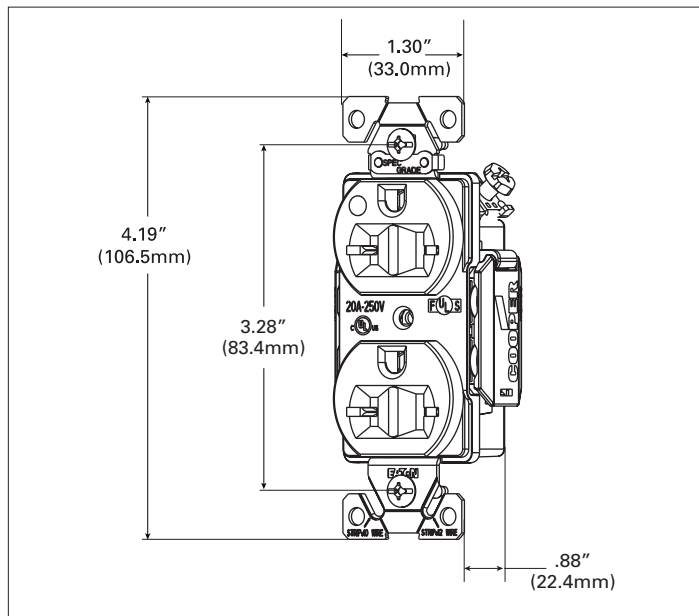
**Figure 1. AH8200 Line Art with Dimensions**



**Figure 2. AH8300 Line Art with Dimensions**



**Figure 3. AH8600 Line Art with Dimensions**



**Figure 4. AH8400 Line Art with Dimensions**

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

### Product Dimensions

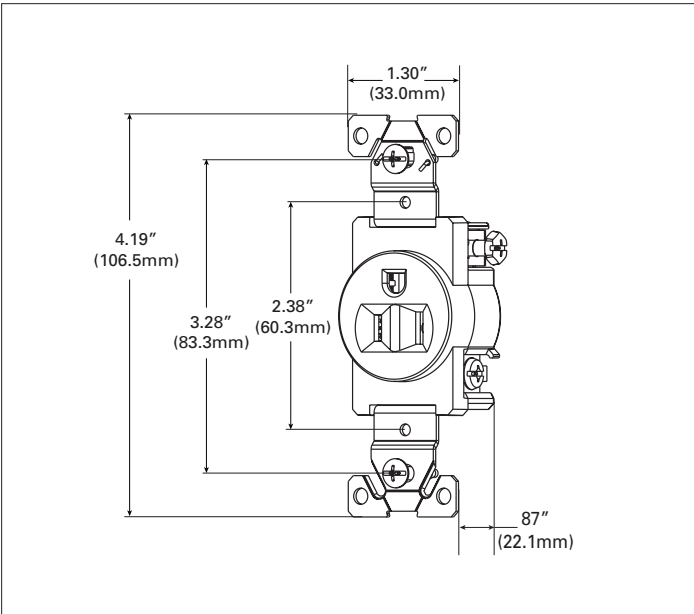


Figure 5. 8210 Line Art with Dimensions

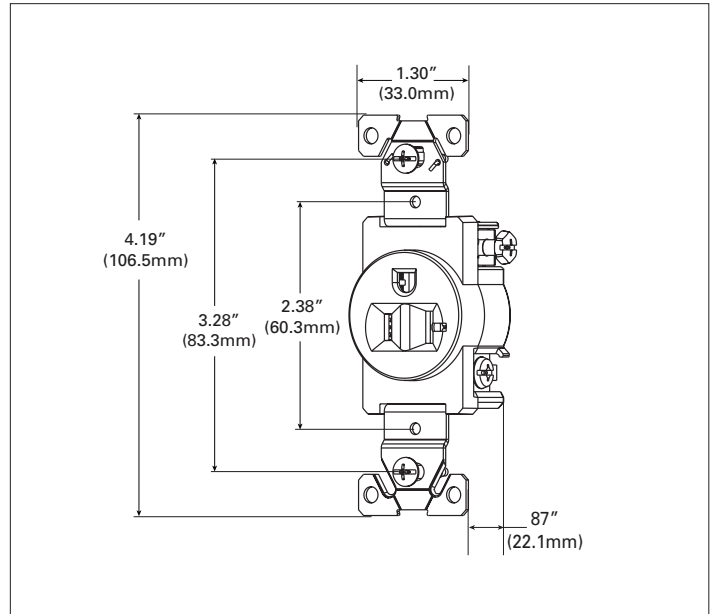


Figure 6. 8310 Line Art with Dimensions

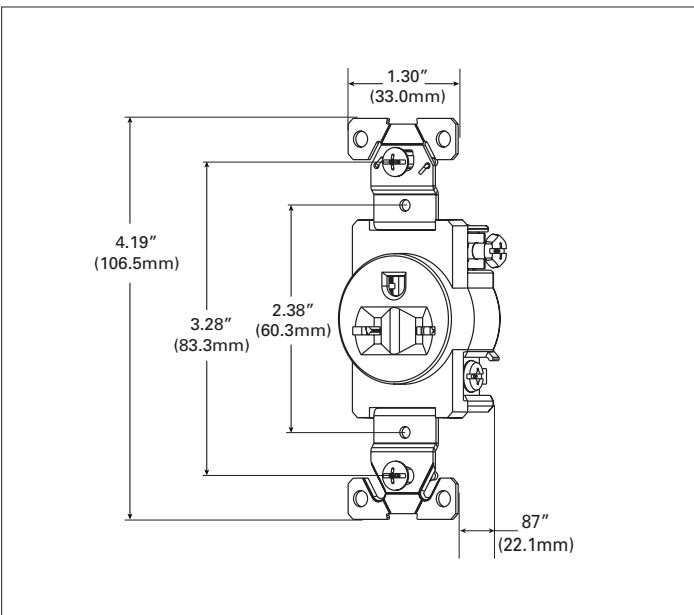


Figure 7. 8610 Line Art with Dimensions

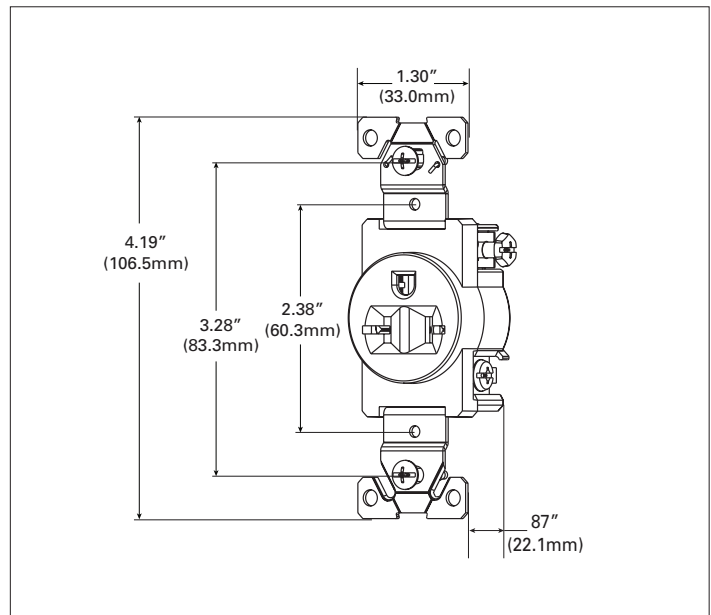












Figure 8. 8410 Line Art with Dimensions

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

## Certifications & Compliances

Catalog No.									
AH8200	•	•	•	•	•	•	•	•	•
AH8200LT	•	•	•	•	•	•	•	•	•
8210	•	•	•	•	•	•	•	•	•
AH8300	•	•	•	•	•	•	•	•	•
AH8300LT	•	•	•	•	•	•	•	•	•
8310	•	•	•	•	•	•	•	•	•
AH8600	•	•	•	•	•	•	•	•	•
8610	•	•	•	•	•	•	•	•	•
AH8400	•	•	•	•	•	•	•	•	•
8410	•	•	•	•	•	•	•	•	•

**KEY:**  cULus  UL  Fed Spec  NAFTA  CSA  
 NOM  Arrowlink  Build-To-Spec  ROHS

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

 Build-To-Spec Customizable Devices

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

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