

Extra heavy-duty hospital grade straight blade 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



5-15R



6-15R



5-20R



6-20R



AH8200



8262RD



8410



AH8400



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. Extra heavy-duty hospital grade receptacles, back & side wire

Catalog No.	Description	Amps	Volts	Color Suffix
<input type="checkbox"/> AH8200__	NEMA 5-15R extra heavy-duty duplex receptacle, back & side wire	15	125	B, BK, GY, RD, V, W
<input type="checkbox"/> 8262__	NEMA 5-15R extra heavy-duty decorator duplex receptacle, back & side wire	15	125	GY, RD, V, W
<input type="checkbox"/> AH8200LT__	NEMA 5-15R extra heavy-duty illuminated duplex receptacle, back & side wire	15	125	V, W
<input type="checkbox"/> 8262LT__	NEMA 5-15R extra heavy-duty illuminated decorator duplex receptacle, back & side wire	15	125	GY, RD, V, W
<input type="checkbox"/> 8210__	NEMA 5-15R extra heavy-duty single receptacle, back & side wire	15	125	V, W
<input type="checkbox"/> AH8300__	NEMA 5-20R extra heavy-duty duplex receptacle, back & side wire	20	125	B, BK, GY, LA, RD, V, W
<input type="checkbox"/> 8362__	NEMA 5-20R extra heavy-duty decorator duplex receptacle, back & side wire	20	125	B, BK, GY, LA, RD, V, W

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Project Number:	Date:
Catalog Number:	Type:

Catalog No.	Description	Amps	Volts	Color Suffix
<input type="checkbox"/> AH8300LT__	NEMA 5-20R extra heavy-duty illuminated duplex receptacle, back & side wire	20	125	RD, V
<input type="checkbox"/> 8310__	NEMA 5-20R extra heavy-duty single receptacle, back & side wire	20	125	B, RD, V, W
<input type="checkbox"/> 8362LT__	NEMA 5-20R extra heavy-duty illuminated decorator duplex receptacle, back & side wire	20	125	B, RD, V, W
<input type="checkbox"/> AH8600__	NEMA 6-15R extra heavy-duty duplex receptacle, back & side wire	15	250	V, W
<input type="checkbox"/> 8610__	NEMA 6-15R extra heavy-duty single receptacle, back & side wire	15	250	V, W
<input type="checkbox"/> AH8400__	NEMA 6-20R extra heavy-duty duplex receptacle, back & side wire	20	250	B, GY, RD, V, W
<input type="checkbox"/> 8410__	NEMA 6-20R extra heavy-duty single receptacle, back & side wire	20	250	B, RD, V, W

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, 8262, 8362 Series	8210, 8310, 8410, 8610 Series
Device Type	Extra heavy-duty hospital grade duplex receptacles	Extra heavy-duty hospital grade receptacles
Wiring Type	Back & side wire	Back & side wire
Testing & Code Compliance	<ul style="list-style-type: none"> cULus Listed to UL 498, file no. E15058 UL verified to Federal Spec. WC-596G cULus certified to CSA spec C22.2, no. 42 NOM certified 	<ul style="list-style-type: none"> Listed to UL 498, file no. E15058 UL verified to Federal Spec. WC-596G CSA certified to C22.2, no. 42, file no. 6914 (6233-01) NOM certified
Environmental Specifications	Flammability: Meets UL 94 requirements; V2 rated Temperature Rating: -20°C to 70°C (-4°F to 158°F)	Flammability: Meets UL 94 requirements; V2 rated Temperature Rating: -20°C to 90°C (-4°F to 194°F)
Electrical Specifications	Dielectric Voltage: Withstands 2000V per UL 498 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 UL 498 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

Table 3. Materials

Catalog No.	AH8200, AH8300, AH8400, AH8600, 8262, 8362 Series	8210, 8310, 8410, 8610 Series
Face	Nylon	Nylon
Base	Glass-filled nylon	Nylon
Strap	0.05" thick solid brass, nickel plated	0.05" thick steel, zinc plated
Auto Ground	Brass (nickel plated for AH8200/AH8300) clip	Phosphor bronze staple
Line Contacts	0.031" thick 5-leaf 688 grade high-performance brass	0.037" thick 3-leaf brass
Ground Contact	Integral	Riveted
Terminal Screws	#8-32 brass, neutral screw nickel plated	#8-32 steel, neutral screw nickel plated
Ground Screw	#8-32 steel, zinc plated (green)	#8-32 steel (green)
Screw Terminal Guards	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	BK	GY	LA	RD	V	W
(Brown)	(Black)	(Gray)	(Light Almond)	(Red)	(Ivory)	(White)

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

Product Dimensions

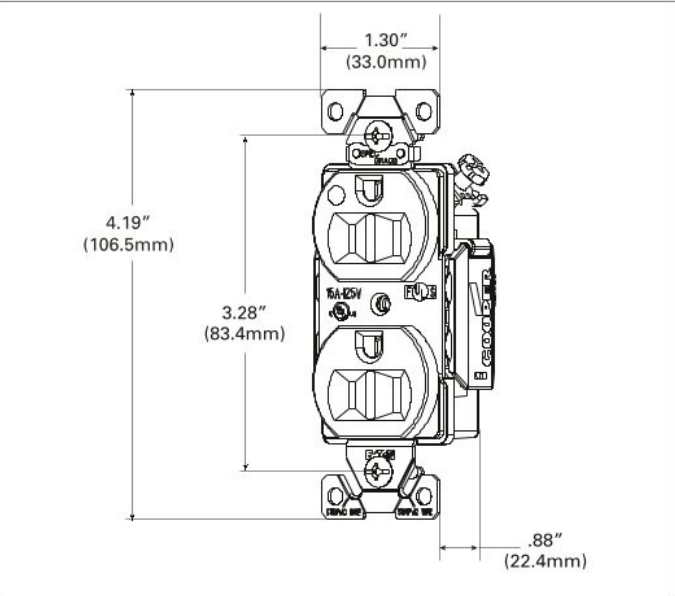


Figure 1. AH8200 Line Art with Dimensions

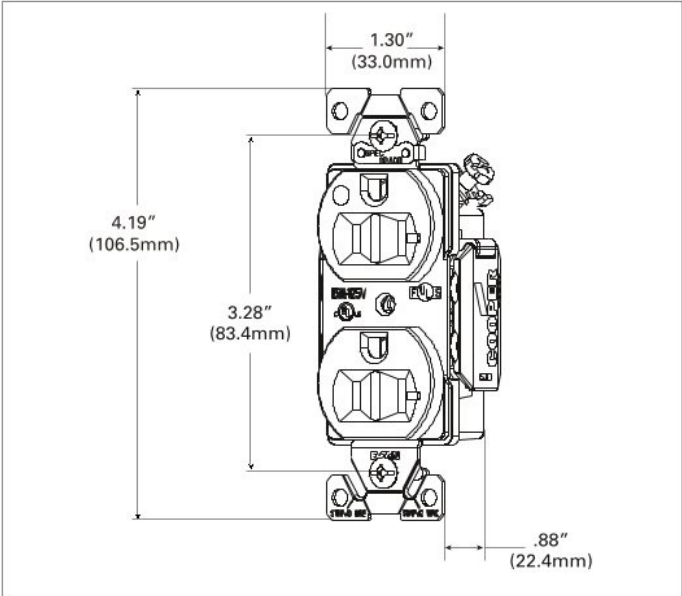


Figure 2. AH8300 Line Art with Dimensions

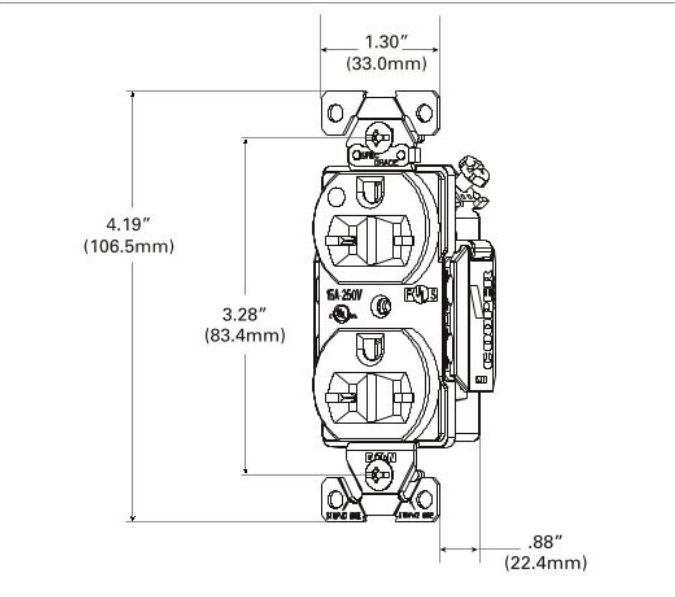


Figure 3. AH8600 Line Art with Dimensions

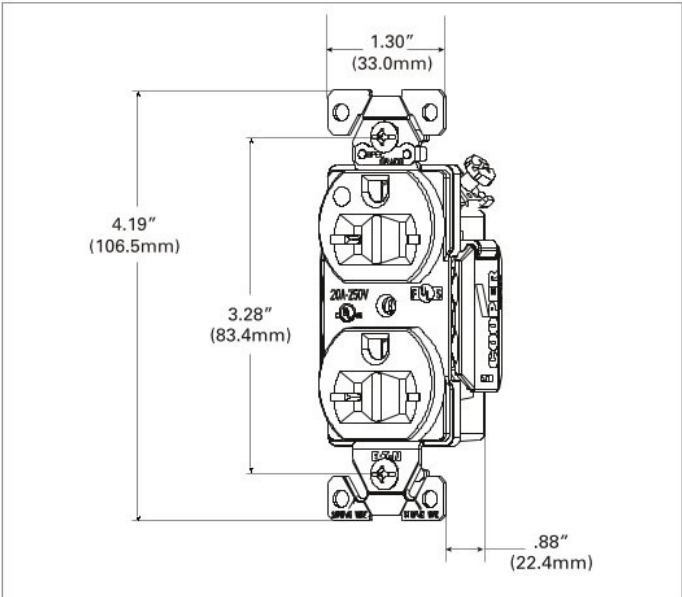


Figure 4. AH8400 Line Art with Dimensions

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

Product Dimensions

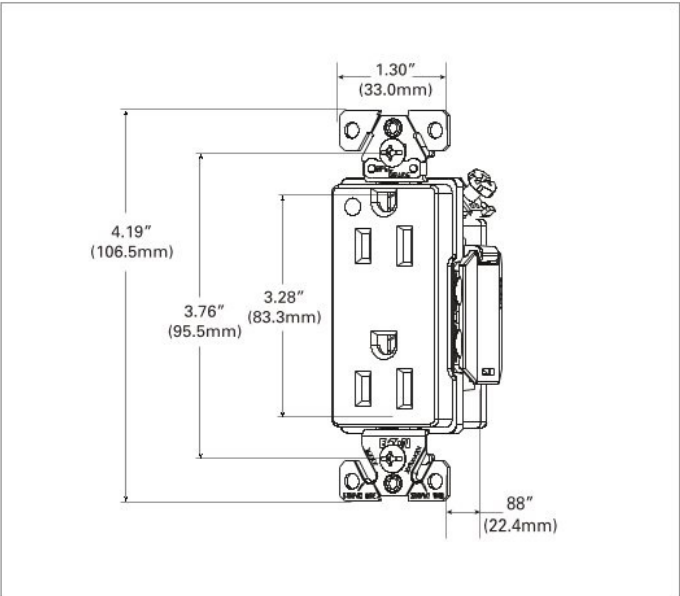


Figure 5. 8262 Line Art with Dimensions.

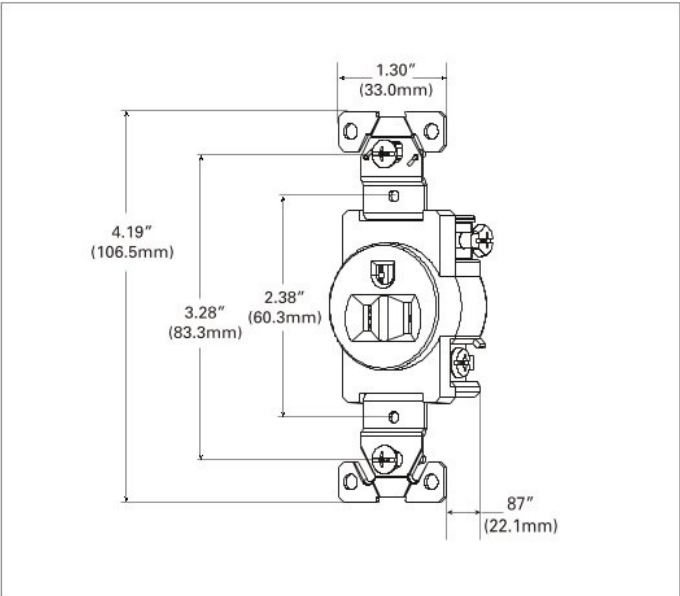


Figure 6. 8310 Line Art with Dimensions

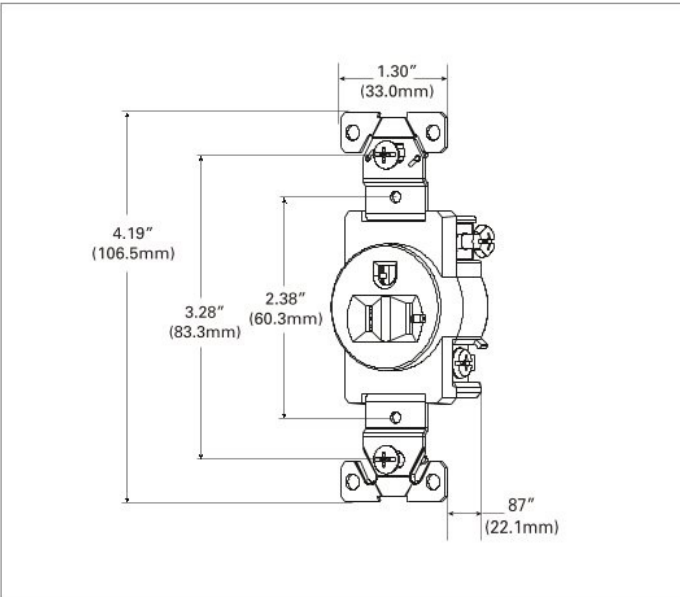


Figure 7. 8310 Line Art with Dimensions

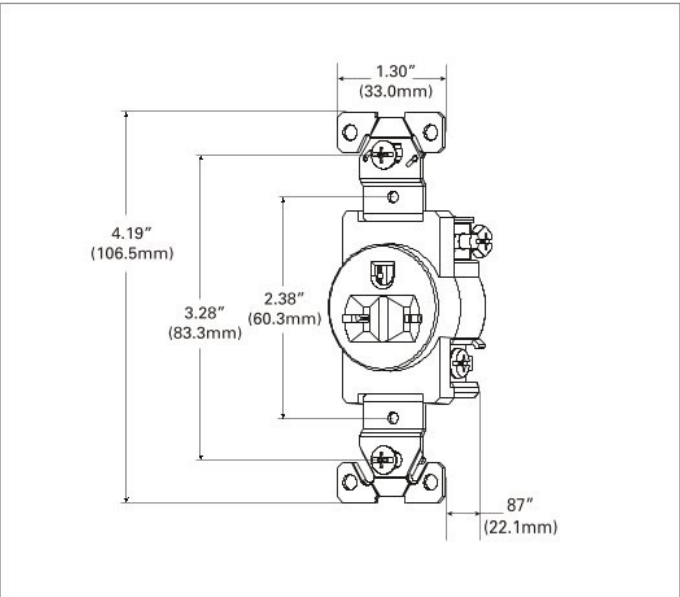


Figure 8. 8610 Line Art with Dimensions

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

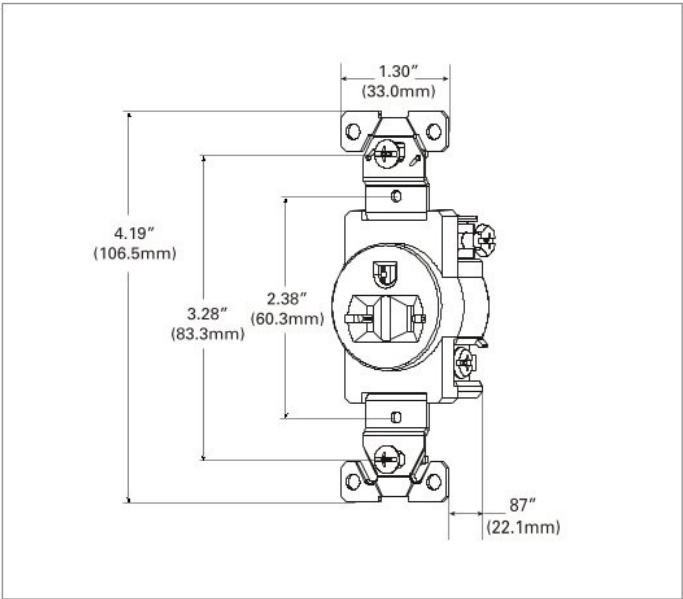


Figure 9. 8410 Line Art with Dimensions

Certifications & Compliances

Catalog No.								
AH8200	•	•	•	•	•	•	•	•
8262	•	•	•	•	•	•	•	•
AH8200LT	•	•	•	•	•	•	•	•
8262LT	•	•	•	•	•	•	•	•
8210	•	•	•	•	•	•	•	•
AH8300	•	•	•	•	•	•	•	•
8362	•	•	•	•	•	•	•	•
AH8300LT	•	•	•	•	•	•	•	•
8362LT	•	•	•	•	•	•	•	•
8310	•	•	•	•	•	•	•	•
AH8600	•	•	•	•	•	•	•	•
8610	•	•	•	•	•	•	•	•
AH8400	•	•	•	•	•	•	•	•
8410	•	•	•	•	•	•	•	•

KEY: cULus UL Fed Spec USMCA
 CSA NOM Arrowlink 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.

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