

Arrow Hart extra heavy-duty hospital grade isolated ground straight blade receptacles

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

Description

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



IG8200



IG8210



TRIG8200

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 retention (duplex only)
- Rigid, glass reinforced nylon base lends ultimate strength and superior high heat resistance in contact carrier (duplex only)
- 0.030" (0.76mm) solid brass, nonriveted, integral one-piece isolated grounding shunt system assures ground integrity under heaviest use
- Black tamper resistant shutters on TR models create a seamless look, while ensuring code compliance and preventing the insertion of foreign object
- High impact and chemical-resistant nylon face
- Tapered lead-in slots on back wiring holes assist in gathering stranded wires for faster, more secure connections
- All terminal and mounting screws triple combination (Slot/Phillips/Robertson) head for maximum installer 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 isolated ground receptacles, back & side wire

A	Rating		Description	Color suffix	Catalog no.	UL US	FUS	NOM 426	TR TAMPER RESISTANT
	V/AC	NEMA							
15	125	5-15R	IG hospital grade, duplex receptacle	GY, RD, RN, V, W	IG8200__	●			
			IG hospital grade, single receptacle	RN	IG8210*				
			TR IG hospital grade duplex receptacle	GY, RD, RN, V, W	TRIG8200__				
20	125	5-20R	IG hospital grade, duplex receptacle	GY, RD, RN, V, W	IG8300__	●			
			IG hospital grade, single receptacle	RN	IG8310*				
			TR IG hospital grade duplex receptacle	GY, RD, RN, V, W	TRIG8300__				
20	250	6-20R	IG hospital grade, duplex receptacle	RN	IG8400 ^A				

*Not Fed Spec, ^ANot NOM

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



Powering Business Worldwide

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Applications

The grounding network in any building serves as a means of protection for both people and equipment. However, it can also serve as a conductor for electromagnetic interference or electronic noise. Electronic noise can distort electronic signals and ultimately cause sensitive electronic equipment to operate improperly. In a healthcare environment, the transfer of reliable, “undistorted” information is crucial. Eaton’s line of extra heavy-duty hospital grade isolated ground receptacles utilize our exclusive 0.030” solid brass, non-riveted, integral one-piece isolated grounding shunt system to assure ground integrity under the heaviest use.

Table 2. Specifications

Catalog No.	IG8200, IG8300, IG8400 Series	IG8210, IG8310 Series	TRIG8200, TRIG8300 Series 
Device type	Isolated ground duplex hospital grade receptacles	Extra heavy-duty hospital grade single isolated ground receptacles	Tamper resistant extra heavy-duty hospital grade isolated ground receptacles
Wiring type	Back & side wire	Back & side wire	Back & side wire
Testing & code compliance	<ul style="list-style-type: none"> Listed to UL498, file no. E15058 UL verified to Federal Spec. WC-596G CSA certified to C22.2, no. 42, file no. 6914 (6233-01) NOM Certified Complies with NEMA WD-1 & NEMA WD-6 	<ul style="list-style-type: none"> Listed to UL498, file no. E15058 CSA certified to C22.2, no. 42, file no. 6914 (6233-01) NOM Certified Complies with NEMA WD-1 & NEMA WD-6 	<ul style="list-style-type: none"> cULus Listed NOM Certified Complies with NEMA WD-1 & NEMA WD-6
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: -40°C to 60°C (-40°F to 140°F).	Flammability: Meets UL 94 requirements; V2 rated Temperature rating: -40°C to 60°C (-40°F to 140°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)	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	Terminal accommodation: #14 - 10 AWG Voltage ratings: Permanently marked on device

Table 3. Materials

Catalog No.	IG8200, IG8300, IG8400 Series	IG8210, IG8310 Series	TRIG8200, TRIG8300 Series 
Face	Nylon	Nylon	Impact-resistant nylon
Base	Glass-filled nylon	Glass-filled nylon	Nylon
Strap	0.046” thick brass plated steel, 1-piece isolated ground shunt	0.05” thick solid steel	0.05” thick solid steel
Auto ground	Brass clip	Phosphor bronze staple	Phosphor bronze staple
Line contacts	0.037” thick triple-wipe brass	0.037” thick triple-wipe brass	0.037” thick 3-leaf brass
Ground contact	1-piece isolated ground shunt	1-piece isolated ground shunt	1-piece isolated ground shunt
Terminal screws	#8-32 brass, neutral screw nickel plated	#8-32 brass, neutral screw nickel plated	#8-32 brass, neutral screw nickel plated
Ground screw	#8-32 brass, green	#8-32 steel (green)	#8-32 steel (green)
Screw terminal guards	PVC hinged doors	N/A	N/A

Table 4. Color ordering information

For ordering devices, include Cat. No. followed by the color code: GY (Gray), RD (Red), RN (Orange), V (Ivory), W (White)

				
(Gray)	(Red)	(Orange)	(Ivory)	(White)

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

Product dimensions

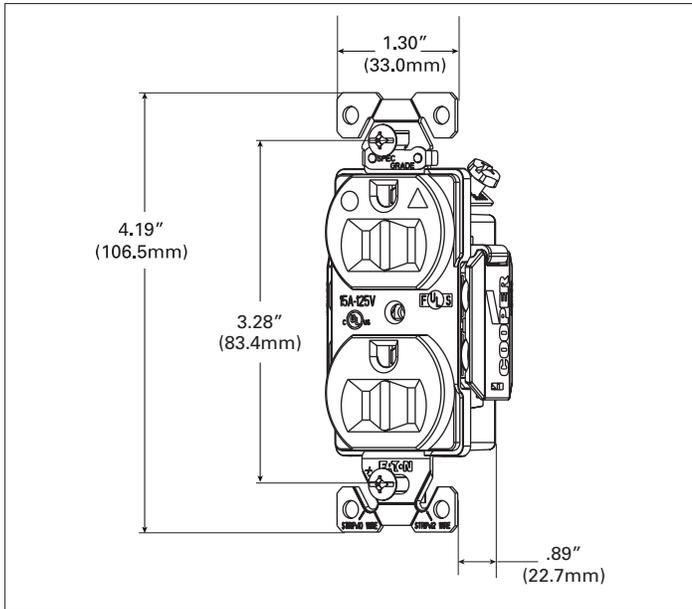


Figure 1. IG8200 Line art with dimensions

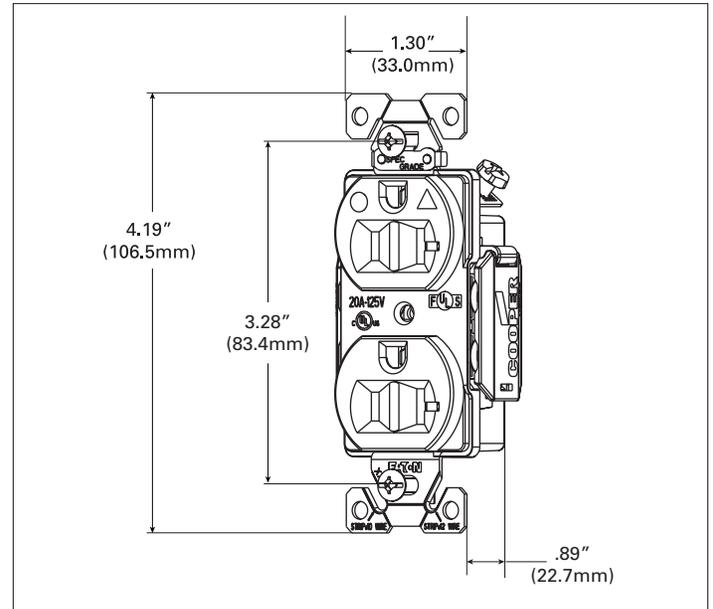


Figure 2. IG8300 Line art with dimensions

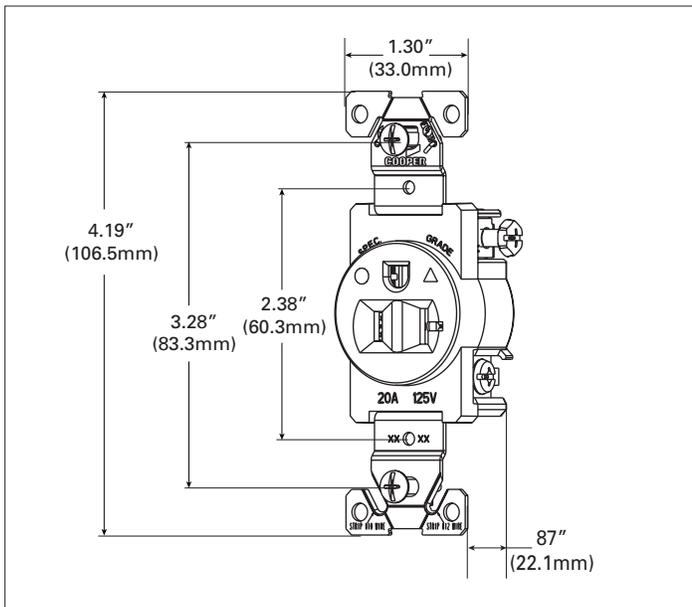


Figure 3. IG8310 Line art with dimensions

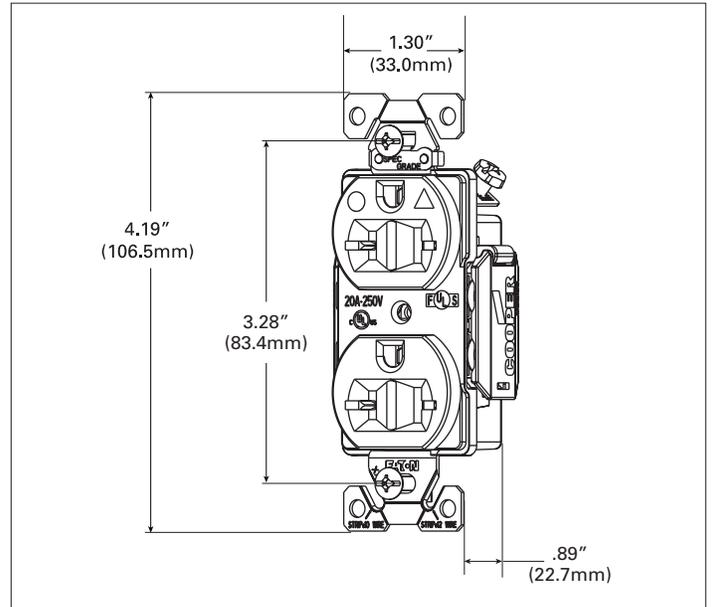


Figure 4. IG8400 Line Art with Dimensions

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

Product dimensions

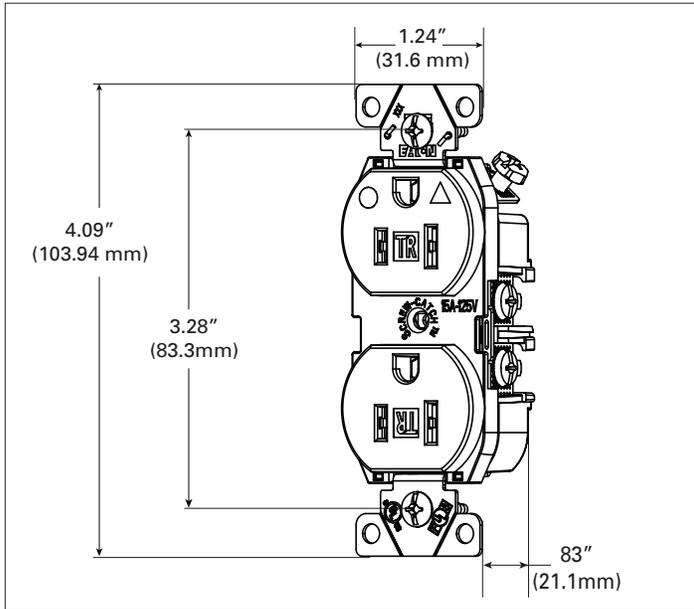


Figure 5. TRIG8200 Line Art with Dimensions

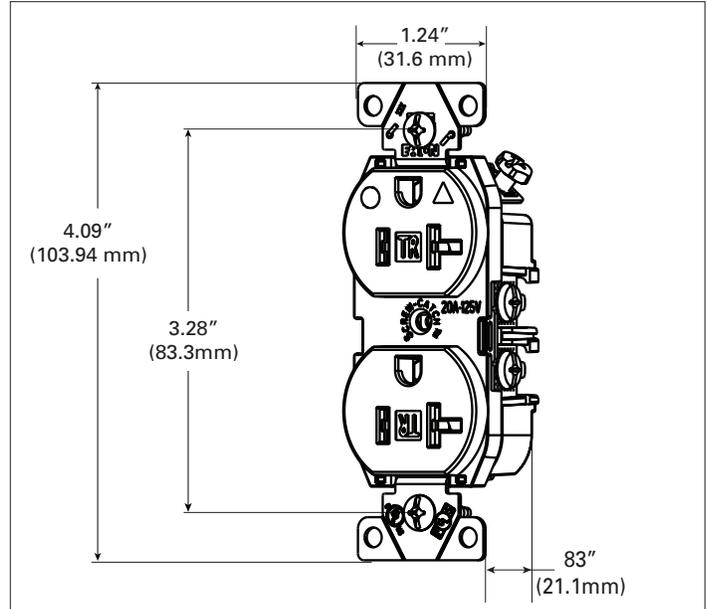


Figure 6. TRIG8300 Line art with dimensions

Certifications & compliances

Catalog No.	cULus	UL	FUS	CSA	NOM 426	Arrowlink
IG8200	•	•	•	•	•	•
IG8210	•	•	•	•	•	•
IG8300	•	•	•	•	•	•
IG8310	•	•	•	•	•	•
IG8400	•	•	•	•	•	•
TRIG8200	•	•	•	•	•	•
TRIG8300	•	•	•	•	•	•

KEY: cULus cULus UL UL FUS Fed Spec CSA CSA NOM 426 NOM Arrowlink Indicates USMCA compliant

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