Hospital grade straight blade receptacles
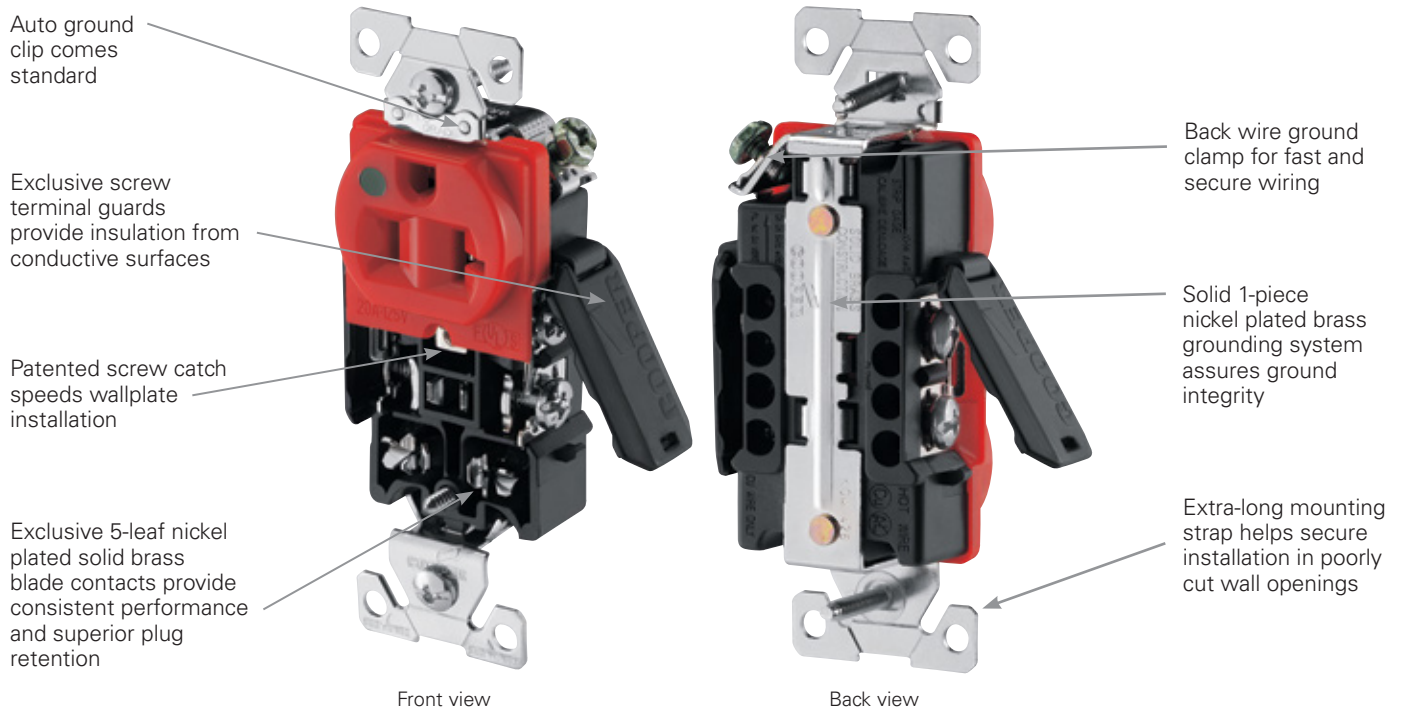
Performance, longevity, reliability

In today's healthcare environment the power to save lives begins with the electrical system. Downtime is not an option and the right receptacle can make the difference in critical situations

Premium hospital grade AH8200, AH8300 series features & benefits

Auto ground clip comes standard

Exclusive screw terminal guards provide insulation from conductive surfaces

Patented screw catch speeds wallplate installation

Exclusive 5-leaf nickel plated solid brass blade contacts provide consistent performance and superior plug retention

Back wire ground clamp for fast and secure wiring

Solid 1-piece nickel plated brass grounding system assures ground integrity

Extra-long mounting strap helps secure installation in poorly cut wall openings

Front view   Back view

Additional features & benefits

- Available in 15A & 20A duplex & single configurations, including lighted, tamper resistant and ArrowLink modular styles
- Glass-filled nylon base provides superior strength and heat resistance
- Convenient built-in #10 and #12 AWG wire strippers

- High impact- and chemical-resistant nylon face holds structural integrity
- Tri-head combination brass terminal screws are backed out and ready to wire

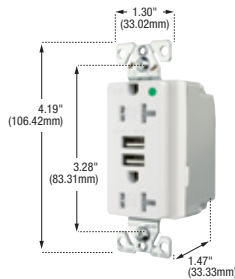Compliances, specifications and availability are subject to change without notice.
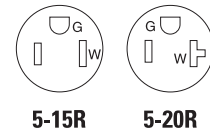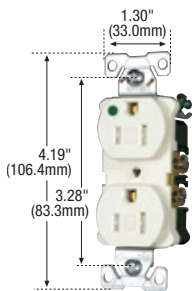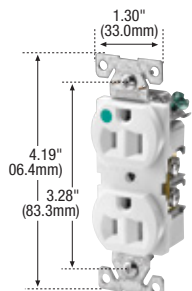
Hospital grade straight blade receptacles

Product description

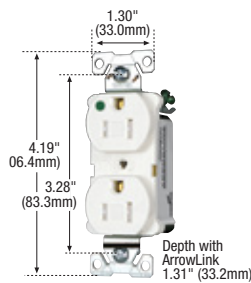2-pole, 3-wire grounding
15A, 125V/AC; 20A, 125V/AC
NEMA 5-15R, 5-20R

5-15R   5-20R

Hospital grade combination USB charger c(UL)us TR TAMPER RESISTANT NOM 426

A	V/AC	Rating Amps	V/DC	Description	Color suffix	Catalog no.
15	125	3.1	5	USB charger with hospital grade tamper resistant duplex receptacle	GY, LA, RD, V, W	☐ TR8255__
20	125	3.1	5	USB charger with hospital grade tamper resistant duplex receptacle	GY, LA, RD, V, W	☐ TR8355__

1.30" (33.02mm)

4.19" (106.42mm)

3.28" (83.31mm)

1.47" (33.33mm)

TR8355

Tamper resistant hospital grade receptacles c(UL)us F(UL)S NOM 426 TR TAMPER RESISTANT

A	Rating V/AC	NEMA	Description	Color suffix	Catalog no.	▶▶	🧊	✓
15	125	5-15R	Duplex receptacle, back & side wire	GY, RD, V, W	☐ TR8200__	•	•	•
20	125	5-20R	Duplex receptacle, back & side wire	B, GY, RD, V, W	☐ TR8300__	•	•	•

1.30" (33.0mm)

4.19" (106.4mm)

3.28" (83.3mm)

TR8200

Hospital grade receptacles (UL) F(UL)S (CSA) NOM 426

A	Rating V/AC	NEMA	Description	Color suffix	Catalog no.	▶▶	🧊	🇺🇸	✓
15	125	5-15R	Duplex receptacle, back & side wire	B, GY, RD, V, W	☐ 8200__	•	•	•	•
20	125	5-20R	Duplex receptacle, back & side wire	B, GY, LA, RD, V, W	☐ 8300__	•	•	•	•

1.30" (33.0mm)

4.19" (06.4mm)

3.28" (83.3mm)

8200

Panel-mount special use hospital grade single receptacles (UL) F(UL)S (CSA) NOM 426

A	Rating V/AC	NEMA	Description	Color suffix	Catalog no.	🇺🇸	✓
15	125	5-15R	Strap center to center spacing = 1.9375" (49.2mm), back & side wire	V	☐ 8210MV	•	•
20	125	5-20R	Strap center to center spacing = 1.9375" (49.2mm), back & side wire	RD, V	☐ 8310M__	•	•

Accessories for hospital grade NEMA 5-15 & 5-20 receptacles 🇺🇸 ✓

Description	Color suffix	Catalog no.	🇺🇸	✓
2-Gang, standard size duplex receptacle pre-marked wallplate "emergency"	Stainless Steel	☐ EM93102	•	•
1-Gang, standard-size duplex receptacle wallplate, CuVerro®	CU, CUR	☐ 93101__	•	•
1-Gang, mid-size duplex receptacle wallplate, "GFCI protected"	V, W	☐ PJ8GF__		•
2-Gang, standard size decorator wallplate, CuVerro®	CU, CUR	☐ 93402__	•	•
2-Gang, mid-size duplex receptacle pre-marked wallplate, "emergency"	RD	☐ PJ82EMRD		•

1.30" (33.0mm)

4.19" (06.4mm)

3.28" (83.3mm)

Depth with ArrowLink 1.31" (33.2mm)

TR8200_M

EM93102   93101CUR   PJ8GFV   93402CU   PJ82EMRD

Color ordering information:

For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White), CU (White Bronze) CuVerro® ONLY, CUR (Rose) CuVerro® ONLY

B (Brown)	GY (Gray)	LA (Lt. Almond)	RD (Red)	V (Ivory)	W (White)	CU (White Bronze)	CUR (Rose)	(Stainless Steel)

Specification information: Tamper resistant HG receptacles: A-28, Panel mount HG receptacles: A-28, HG receptacles: A-28, HG USB receptacles: A-34, ArrowLink HG receptacles: A-36, CuVerro® wallplates: K-22
Compliances, specifications and availability are subject to change without notice.

▶ ArrowLink option available. Add "M" suffix to standard catalog number (example AH8300W, AH8300WM). For ordering information on ArrowLink & ArrowLink SPD connectors, see Page A-5

TR TAMPER RESISTANT Tamper resistant

🧊 Build-to-spec customizable devices - Page A-6

🇺🇸 Indicates NAFTA compliant - Page Q-32

✓ RoHS compliant - Page Q-32

Hospital grade receptacles specification & performance data

Hospital grade receptacles

Product description

2-pole, 3-wire grounding
15A, 125V/AC;
20A, 125V/AC
NEMA 5-15, 5-20

Device type	Hospital grade tamper resistant USB duplex receptacles: TR8255, TR8355 series **TR** TAMPER RESISTANT	Hospital grade tamper resistant duplex receptacles: TR8200, TR8300 series **TR** TAMPER RESISTANT	Hospital grade duplex receptacles: 8200, 8300 series	Hospital grade panel mount receptacles: 8210M, 8310M series
Wiring type	Wire leads	Back & side wire	Back & side wire	Back & side wire
Testing & code compliance	• cULus Listed to UL498 and UL1310, file no. E15058	• Listed to UL498 file no. E1505 • UL verified to Fed Spec WC-596G • NOM certified	• Listed to UL498, file no. E15058 • UL verified to Fed Spec WC-596G • CSA certified to C22.2, no. 42, file no. 6914 (6233-01) • NOM certified	• Listed to UL498 file no. E2369 • UL verified to Fed Spec WC-596G • CSA certified to C22.2, no. 42, file no. 6914 (6233-01) • NOM certified
Environmental specifications	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20ºC to 90ºC (-4ºF to 194ºF)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -20ºC to 90ºC (-4ºF to 194ºF)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature rating:** -40ºC to 75ºC (-40ºF to 167ºF)
Electrical specifications	**Dielectric voltage - AC output:** Receptacle withstands 2000V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise - AC output:** Receptacle - max. 30ºC (86ºF) after 100 cycles of overload @ 150% of rated current (DC) **Switching frequency - DC output:** Typical 140 kHz **Output voltage - DC output: :** Nominal 5V (+/- 10%) **Protection - DC output:** Current limiting and thermal shutdown protection **Output current - DC output:** Constant current maximum 2.1A	**Dielectric voltage:** Withstands 2000V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) after 250 cycles of overload @ 200% of rated current (DC)	**Dielectric voltage:** Withstands 2000V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) after 250 cycles of overload @ 200% of rated current (DC)	**Dielectric voltage:** Withstands 2000V per UL498 **Current interrupting:** Yes, at full-rated current **Temperature rise:** Max. 30ºC (86ºF) after 250 cycles of overload @ 200% of rated current (DC)
Mechanical specifications	**Terminal accommodation:** Device can be wired using #14 or #12 AWG wires, three 6" pre-stripped wire leads for line, neutral and ground, #14AWG for TR8245 and #12AWG for TR8345 **Voltage ratings:** N/A	**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
Materials	**Top housing:** PC **Bottom housing:** PC **Strap:** 0.045" thick steel, zinc plated **Auto ground clip:** Phosphor bronze **Line contacts:** 0.030" thick brass **Ground contact:** 0.014" thick brass **Terminal screws:** N/A **Ground screw:** N/A **Screw terminal guards:** N/A **Tamper resistant shutters:** Reliable Delrin® shutter assembly	**Top housing:** Nylon **Bottom housing:** PVC **Strap:** 0.05" thick steel, zinc plated **Auto ground clip:** Phosphor bronze **Line contacts:** 0.037" thick triple-wipe brass **Ground contact:** Riveted **Terminal screws:** #8-32 steel, neutral screw nickel plated **Ground screw:** #8-32 steel, green **Screw terminal guards:** N/A **Tamper resistant shutters:** Reliable Delrin® shutter assembly	**Top housing:** Nylon **Bottom housing:** PVC **Strap:** 0.045" thick steel, zinc plated **Auto ground clip:** Phosphor bronze **Line contacts:** 0.030" thick triple-wipe brass **Ground contact:** Riveted **Terminal screws:** #8-32 steel, brass plated, neutral screw nickel plated **Ground screw:** 8-32 brass, green **Screw terminal guards:** N/A **Tamper resistant shutters:** N/A	**Top housing:** Nylon **Bottom housing:** Nylon **Strap:** 0.05" thick nickel plated steel **Auto ground clip:** N/A **Line contacts:** 0.030" thick triple-wipe brass **Ground contact:** Riveted **Terminal screws:** #8-32 brass, neutral screw nickel plated **Ground screw:** #8-32 brass, green **Screw terminal guards:** N/A **Tamper resistant shutters:** N/A

Delrin® is a registered trademark of E.I. du Pont de Nemours
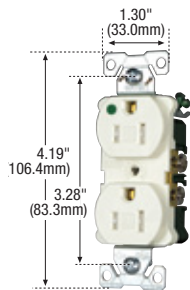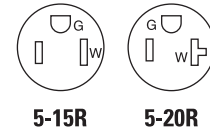
Compliances, specifications and availability are subject to change without notice.

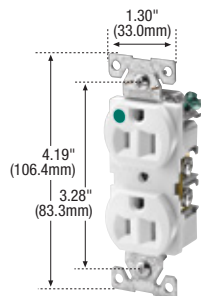✓ All products on this page are RoHS compliant - Page Q-32

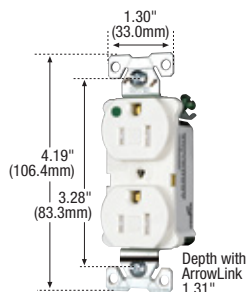## Hospital grade straight blade receptacles

Product description
2-pole, 3-wire grounding
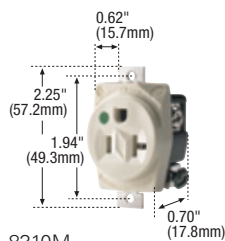15A, 125V/AC; 20A, 125V/AC
NEMA 5-15R, 5-20R

5-15R **5-20R**

Tamper resistant hospital grade receptacles

Rating A	V/AC	NEMA	Description	Color suffix	Catalog no.			
15	125	5-15R	Duplex receptacle, back & side wire	GY, RD, V, W	☐ TR8200__	•	•	•
20	125	5-20R	Duplex receptacle, back & side wire	B, GY, RD, V, W	☐ TR8300__	•	•	•

Hospital grade receptacles

Rating A	V/AC	NEMA	Description	Color suffix	Catalog no.				
15	125	5-15R	Duplex receptacle, back & side wire	B, GY, RD, V, W	☐ 8200__	•	•	•	•
20	125	5-20R	Duplex receptacle, back & side wire	B, GY, LA, RD, V, W	☐ 8300__	•	•	•	•

Panel-mount special use hospital grade single receptacles

Rating A	V/AC	NEMA	Description	Color suffix	Catalog no.		
15	125	5-15R	Strap center to center spacing = 1.9375" (49.2mm), back & side wire	V	☐ 8210M	•	•
20	125	5-20R	Strap center to center spacing = 1.9375" (49.2mm), back & side wire	RD, V	☐ 8310M__	•	•

Accessories for hospital grade NEMA 5-15 & 5-20 receptacles

Description	Catalog no.		
2-Gang, standard size duplex receptacle pre-marked stainless steel wallplate "emergency"	☐ EM93102	•	•
1-Gang, standard-size duplex receptacle wallplate, CuVerro®	☐ 93101CU	•	•
1-Gang, mid-size duplex receptacle wallplate, ivory / "GFCI protected"	☐ PJ8GFV		•
2-Gang, standard size decorator wallplate, CuVerro®	☐ 93402CUR	•	•
2-Gang, mid-size duplex receptacle pre-marked wallplate, red / "emergency"	☐ PJ82EMRD		•

EM93102   93101CU   PJ8GFV   93402CUR   PJ82EMRD

Left margin product illustrations

1.30" (33.0mm)
4.19" (106.4mm)
3.28" (83.3mm)
TR8200

1.30" (33.0mm)
4.19" (106.4mm)
3.28" (83.3mm)
8200

1.30" (33.0mm)
4.19" (106.4mm)
3.28" (83.3mm)
Depth with ArrowLink 1.31" (33.2mm)
TR8200_M

0.62" (15.7mm)
2.25" (57.2mm)
1.94" (49.3mm)
0.70" (17.8mm)
8310M

Color ordering information:
For ordering devices, include Catalog no. followed by the Color suffix: B (Brown), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White)

B (Brown)	GY (Gray)	LA (Lt. Almond)	RD (Red)	V (Ivory)	W (White)

Specification Information:
HG receptacles: A-29
ArrowLink HG receptacles: A-29
Tamper resistant HG receptacles: A-28
Panel mount HG receptacles: A-28
CuVerro® wallplates K-22

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

▶ ArrowLink option available. Add "M" suffix to standard catalog number (example AH8300W, AH8300WM). For ordering information on ArrowLink & ArrowLink SPD connectors, see Page J-2

TR Tamper resistant

⬡ Build-to-spec customizable devices - Page J-10

🇺🇸 Indicates NAFTA compliant - Page Q-32

✓ RoHS compliant - Page Q-32