



# 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: TR8245, TR8345 series 	Hospital grade tamper resistant duplex receptacles: TR8200, TR8300 series 	Hospital grade duplex receptacles: 8200, 8300 series	Hospital grade panel mount receptacles: 8210M, 8310M series
<b>Wiring type</b>	Wire leads	Back & side wire	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL498 and UL1310, file no. E15058</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL498 file no. E1505</li> <li>UL verified to Fed Spec WC-596G</li> <li>NOM certified</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL498, file no. E15058</li> <li>UL verified to Fed Spec WC-596G</li> <li>CSA certified to C22.2, no. 42, file no. 6914 (6233-01)</li> <li>NOM certified</li> </ul>	<ul style="list-style-type: none"> <li>Listed to UL498 file no. E2369</li> <li>UL verified to Fed 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 UL94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 90°C (-4°F to 194°F)	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 90°C (-4°F to 194°F)	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature rating:</b> -40°C to 75°C (-40°F to 167°F)
<b>Electrical specifications</b>	<b>Dielectric voltage - AC output:</b> Receptacle withstands 2000V per UL498 <b>Current interrupting:</b> Yes, at full-rated current <b>Temperature rise - AC output:</b> Receptacle - max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC) <b>Switching frequency - DC output:</b> Typical 140 kHz <b>Output voltage - DC output:</b> : Nominal 5V (+/- 10%) <b>Protection - DC output:</b> Current limiting and thermal shutdown protection <b>Output current - DC output:</b> Constant current maximum 2.1A	<b>Dielectric voltage:</b> Withstands 2000V per UL498 <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 UL498 <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 UL498 <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> 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 <b>Voltage ratings:</b> N/A	<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	<b>Terminal accommodation:</b> #14 - 10 AWG <b>Voltage ratings:</b> Permanently marked on device
<b>Materials</b>	<b>Top housing:</b> PC <b>Bottom housing:</b> PC <b>Strap:</b> 0.045" thick steel, zinc plated <b>Auto ground clip:</b> Phosphor bronze <b>Line contacts:</b> 0.030" thick brass <b>Ground contact:</b> 0.014" thick brass <b>Terminal screws:</b> N/A <b>Ground screw:</b> N/A <b>Screw terminal guards:</b> N/A <b>Tamper resistant shutters:</b> Reliable Delrin® shutter assembly	<b>Top housing:</b> Nylon <b>Bottom housing:</b> PVC <b>Strap:</b> 0.05" thick steel, zinc plated <b>Auto ground clip:</b> Phosphor bronze <b>Line contacts:</b> 0.037" thick triple-wipe brass <b>Ground contact:</b> Riveted <b>Terminal screws:</b> #8-32 steel, neutral screw nickel plated <b>Ground screw:</b> #8-32 steel (green) <b>Screw terminal guards:</b> N/A <b>Tamper resistant shutters:</b> Reliable Delrin® shutter assembly	<b>Top housing:</b> Nylon <b>Bottom housing:</b> PVC <b>Strap:</b> 0.045" thick steel, zinc plated <b>Auto ground clip:</b> Phosphor bronze <b>Line contacts:</b> 0.030" thick triple-wipe brass <b>Ground contact:</b> Riveted <b>Terminal screws:</b> #8-32 steel, brass plated, neutral screw nickel plated <b>Ground screw:</b> 8-32 brass (green) <b>Screw terminal guards:</b> N/A <b>Tamper resistant shutters:</b> N/A	<b>Top housing:</b> Nylon <b>Bottom housing:</b> Nylon <b>Strap:</b> 0.05" thick nickel plated steel <b>Auto ground clip:</b> N/A <b>Line contacts:</b> 0.030" thick triple-wipe brass <b>Ground contact:</b> Riveted <b>Terminal screws:</b> #8-32 brass, neutral screw nickel plated <b>Ground screw:</b> #8-32 brass (green) <b>Screw terminal guards:</b> N/A <b>Tamper resistant shutters:</b> N/A

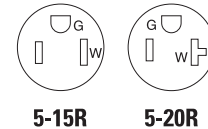
Delrin® is a registered trademark of E.I. du Pont de Nemours

# Straight blade receptacles

## 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



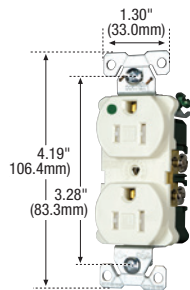
PJ8GFV



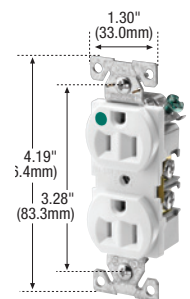
93402CUR



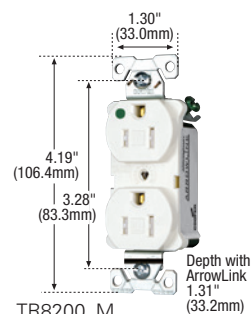
PJ82EMRD



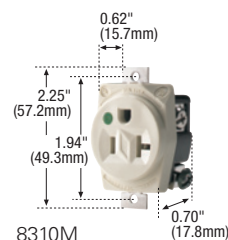
TR8200



8200



TR8200\_M



8310M

### 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

www.eaton.com  
www.arrowhart.com

### 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>B</b>	<b>GY</b>	<b>LA</b>	<b>RD</b>	<b>V</b>	<b>W</b>
(Brown)	(Gray)	(Lt. Almond)	(Red)	(Ivory)	(White)

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

➡ ArrowLink option available. Add "M" suffix to standard catalog number (example AH8300V, AH8300VM). For ordering information on ArrowLink & ArrowLink SPD connectors, see Page J-2

➡ Build-to-spec customizable devices - Page J-4

🇺🇸 Indicates NAFTA compliant - Page Q-30

TR Tamper resistant