

### Locking Plug and Connector

Description
Manufacturer's Identification - Bryant 70520NP and 70520NC
Description - Heavy duty locking plug and connector
Type - 2-pole, 3-wire, grounding
Rating - 20A 125V, NEMA L5-20

### Certification

UL Listed Standard 498 (attachment plug and receptacles)  
 Certified to CSA Standard C22.2 No. 42 (general use receptacles, attachment plugs and similar devices) and C22.2 No. 182.2 (industrial locking type, special use attachment plugs, receptacles and connectors) where applicable  
 UL Listed, Guide AXUT  
 CSA Certified, Guide 20T2  
 Federal Specifications WC596 (where applicable)  
 Complies with NEMA® standards WD-1, WD-6 and UL-498

### Material

Components	Materials
Face/terminal assembly	Nylon
Cover (housing)	Toughened nylon
Terminal cover	Clear polycarbonate
Cord grip assembly	Impact modified nylon
Plug blades	Brass (neutral blade nickel-plated)
Connector contacts	High performance copper alloy
Terminal clamp nut	Zinc-plated steel
Terminal screws	#10-32 brass, silver finish (neutral screw), green finish (grounding screw)
Assembly screws	Zinc-plated steel

### Performance Inches (mm)

Electrical	
Dielectric voltage	Withstands 3500V per UL498
Max. working voltage	600V AC 250V DC
Current interrupting	Certified for current interrupting at full rated current
Temperature rise	Maximum 30° temperature rise at full rated current after 50 cycles overload at 150% rated current for either AC or DC applications per UL498
Mechanical	
Terminal identification	(X, Y, Z brass, hot) (G, green, grounding) (W, silver, neutral)
Terminal accommodation	#18-8 AWG flexible cord
Product identification	Ratings and NEMA identification are permanently marked on device
Cord grip range	3-wire .30"-.95" (7.6-24.1mm), 4-, 5-wire .47"-1.15" (11.8-29.2mm)
Environmental	
Flammability	HB or better per UL 94 or CSA 22.2 No. 17
Operating temperatures	Maximum continuous 60°C, minimum -40°C without impact

### Locking Receptacle

Description
Manufacturer's Identification - Bryant 70520FR
Description - Heavy duty locking receptacle
Type - 2-pole, 3-wire, grounding
Rating - 20A 125V, NEMA L5-20

### Certification

UL Listed Standard 498 (attachment plug and receptacles)  
 Certified to CSA Standard C22.2 No. 42 (general use receptacles, attachment plugs and similar devices) and C22.2 No. 182.2 (industrial locking type, special use attachment plugs, receptacles and connectors) where applicable  
 UL Listed, Guide RTRT  
 CSA Certified, Guide 365-E-1  
 Federal Specifications WC596 (where applicable)  
 Complies with NEMA® standards WD-1, WD-6

### Material Inches (mm)

Components	Materials
Base	Reinforced thermoplastic polyester
Face	Nylon
Terminal contacts	.040" (1.0) copper alloy
Terminal clamp	.040" (1.0) copper alloy
Ground contact (5-wire)	.040" (1.0) copper alloy
Ground shunt	.015" (.3) copper alloy
Mounting straps	.050" (1.3) steel (nickel-plated)
Back plate	.040" (1.0) plated copper alloy
Terminal screws	#10 brass
Self-grounding clip	Stainless steel (IG and 4-pole, 4-wire receptacles)
Mounting screws	Plated steel

### Performance

Electrical	
Dielectric voltage	Withstands 2,000V minimum
Max. working voltage	250V
Current interrupting	Certified for current interrupting at full rated current
Temperature rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated direct current
Mechanical	
Terminal identification	Terminals identified in accordance with UL 498 (brass, white, green)
Terminal accommodation	#14-10 AWG (solid or stranded) copper conductor only
Product identification	Ratings are a permanent part of the device
Environmental	
Flammability	Top: UL 94 V2., Base: UL 94 V2
Operating temperatures	Maximum continuous 60°C, minimum -40°C without impact

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