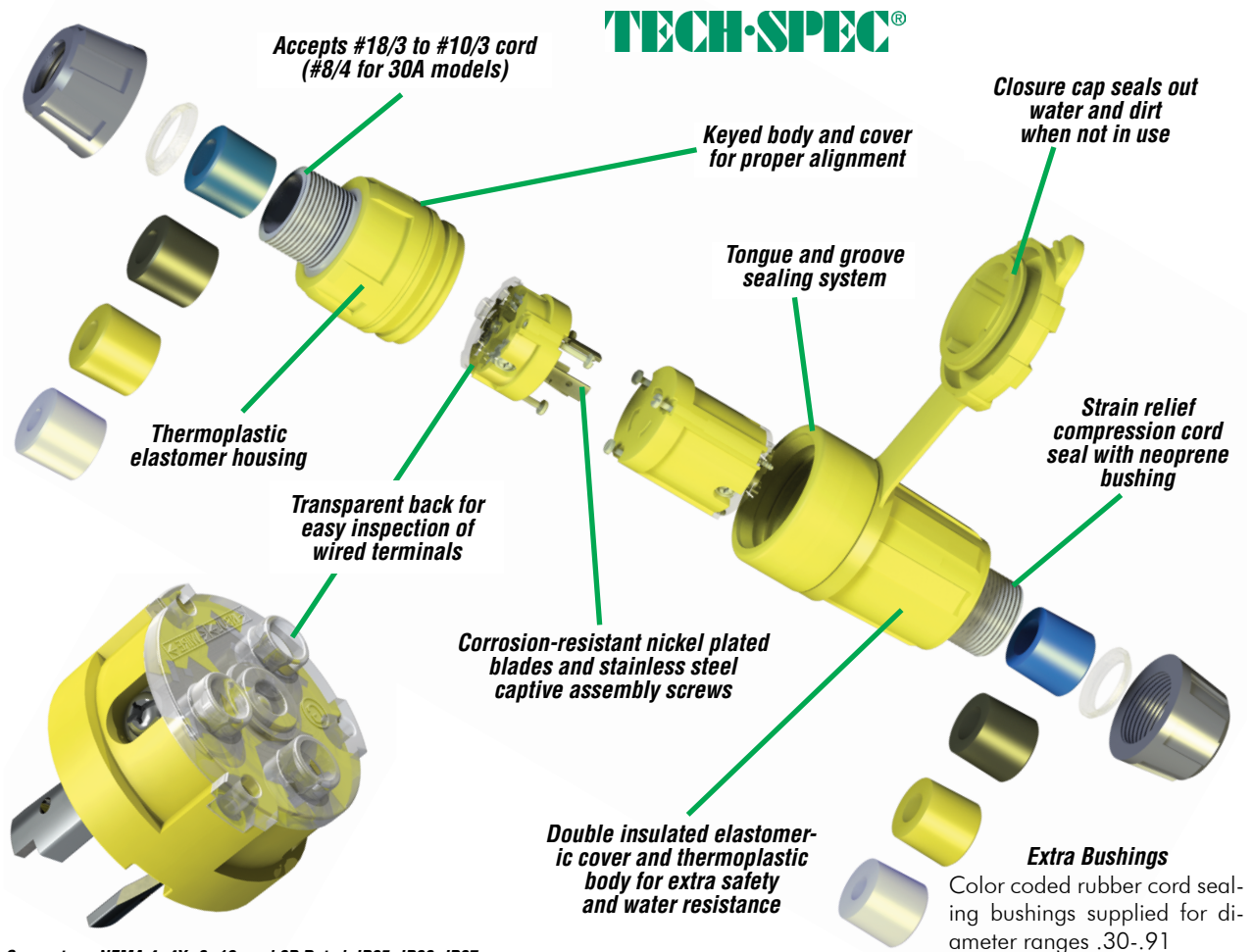


Watertight Wiring Devices - Product Features



Connectors: NEMA 4, 4X, 6, 12, and 6P Rated; IP65, IP66, IP67
Plugs: NEMA 4, 4X, 6, and 6P Rated; IP65, IP66, IP67

Weather Protective NEMA Type 1

BRYANT®

Compression neoprene bushings seal out moisture (cord sizes #16/3 SO to #12/3 SO)

Self closing flip seals provide protection against moisture when closed

NEMA Type 1 Rated

Large internal cavity for easy wiring of two duplex receptacles (not included)

BRYANT® Watertight Wiring Devices - Plugs and Connectors

**BRY15W33**

Connectors: NEMA 4, 4X, 6, and 6P Rated; IP65, IP66, IP67

**BRY14W47**

Plugs: NEMA 4, 4X, 6, and 6P Rated; IP65, IP66, IP67

Features

- High-visibility yellow thermoplastic elastomer housing
- Rugged PBT interiors provide excellent resistance to moisture and temperature
- New cone seal prevents water from accumulating at the cable entrance
- Tongue and groove plug to connector sealing system for optimum protection
- Nickel-plated contacts and blades
- Gotcha ring for superior strain relief
- Stainless steel captive assembly screws
- Accepts multiple cord diameters
- Operating temperature -40°C to 60°C [-40°F to 140°F]
- Individual neoprene bushings provide watertight sealing
- 15-30 amp range up to 480VAC

- Keyed body and interior for proper alignment
- Recommended where moisture exists or frequent wash down occurs
- All exposed materials are UV stabilized
- Meets NEC requirements for "Wet & Damp Locations"
- Meets OSHA requirements

Agency Approvals/Standards

- UL File E1706 Guide AXUT
- CSA Certified #1284294
- NSF Certified
- Meets NEMA WD-1, WD-6, and ANSI standards
- Listed to UL498


TECH·SPEC®
Watertight Plugs and Connectors Quick Selection Table

Poles	Amperage	NEMA #	Voltage	Configuration	Device Type	Plug Part No.	Style	Price	Connector Part No.	Style	Price
2-Pole 3-Wire	15 Amps	5-15	125VAC		Straight Blade	BRY14W47		<----->	BRY15W47		<----->
		L5-15	125VAC		Locking	BRY24W47		<----->	BRY25W47		<----->
		L7-15	277VAC		Locking	BRY24W34		<----->	BRY25W34		<----->
	20 Amps	5-20	125VAC		Straight Blade	BRY14W33		<----->	BRY15W33		<----->
		L5-20	125VAC		Locking	BRY26W47		<----->	BRY27W47		<----->
		L6-20	250VAC		Locking	BRY26W48		<----->	BRY27W48		<----->
3-Pole 4-Wire	20 Amps	L15-20	250VAC 3Ø		Locking	BRY26W75		<----->	BRY27W75		<----->
		L16-20	480VAC 3Ø		Locking	BRY26W76		<----->	BRY27W76		<----->
	30 Amps	L15-30	250VAC 3Ø		Locking	BRY28W75		<----->	BRY29W75		<----->
		L16-30	480VAC 3Ø		Locking	BRY28W76		<----->	BRY29W76		<----->

BRYANT® Watertight Wiring Devices - Plugs and Connectors

Technical Specifications

Watertight Devices Technical Specifications				
Device type	15A/20A Straight Blade 15A Locking	20A Locking	20A Locking 3-Phase	30A Locking 3-Phase
Maximum working voltage	As marked			
Operating temperature	Maximum continuous 60°C [140°F], Minimum -40°C [-40°F] (without impact)			
Terminal accommodation	16/3 SJ to 10/3 SJ, 18/3 S to 12/3 S	Min.: 16/3 SJ, 18/3 S, 18/4 SJ, 18/4 S, 18/5 S Max.: 10/3 S, 10/4 S, 10/5 S		Min.: 12/3 SJ, 16/3 S, 14/4 SJ, 18/4 S, 18/5 S Max.: 8/3 S, 8/4 S, 10/5 S
Cord diameter	0.325" to 0.625" (8.3 mm to 15.9 mm)	0.30" to 0.62" (7.62 mm to 15.75 mm)	0.325" to 0.875" (8.3 mm to 22.2 mm)	0.385" to 1.05" (9.8 mm to 26.67 mm)
Torque specifications	Wire terminal screw 12-15 lb-in (1.4-1.7 N-m) Housing assembly screw 8-10 lb-in (0.9-1.13 N-m)			
Dielectric voltage	Plugs: 2500VAC if rated 300V or less, 3500VAC if rated above 300V Connectors: 2000VAC if rated 300V or less, 3000VAC if rated above 300V			

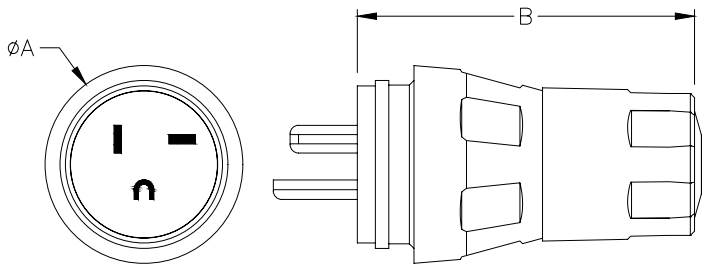
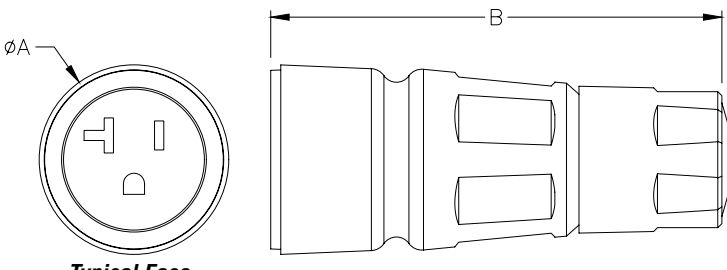
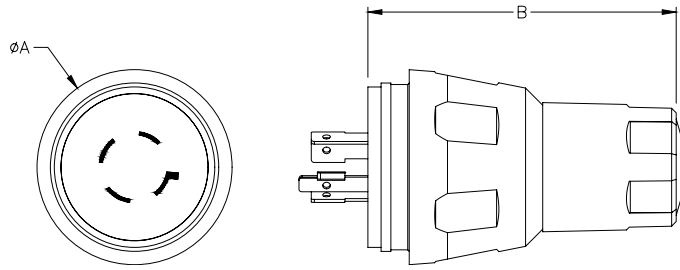
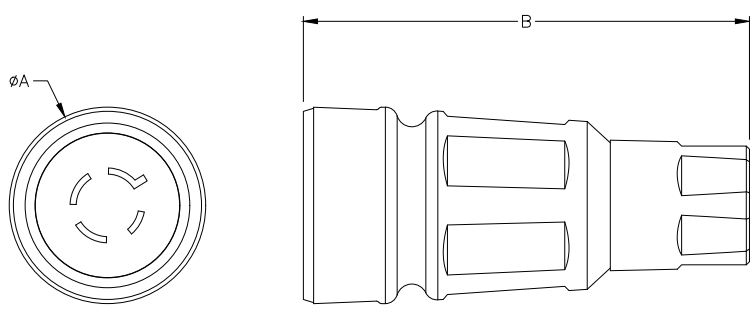
* Each plug or connector is individually tested for watertight integrity to meet the NEMA and IP ratings.

Materials	
Blade/contact carrier	Nylon, white
Terminal retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer, yellow
Housing insert	Nylon, white
Strain relief nut	PBT thermoplastic, gray
Blades/contacts	Brass, nickel plated
Terminal screws	Brass
Terminal screw size	#8-32 15A/20A Straight Blade and 15A Locking #10-32 20A and 30A Locking
Assembly screws	Stainless steel
Bushings	Thermoplastic elastomer, black
Gotcha ring	Nylon
Cone seal	Thermoplastic elastomer, black
Closure cap	Thermoplastic elastomer, yellow

BRYANT® Watertight Wiring Devices - Plugs and Connectors

Dimensions

Inches [mm]

Dimensions				
Straight Blade Plugs and Connectors		Part Number	Inches [mm]	
			DIM A	DIM B
 Typical Face	BRY14W47	1.85 [47.07]	3.16 [80.27]	
	BRY14W33			
	BRY24W47	1.85 [47.07]	3.21 [81.46]	
	BRY24W34			
 Typical Face	BRY15W47	1.85 [47.07]	4.42 [112.14]	
	BRY15W33			
	BRY25W34	1.85 [47.07]	4.62 [117.22]	
	BRY25W47			
Locking Plugs and Connectors		Part Number	Inches [mm]	
			DIM A	DIM B
 Typical Face	BRY26W47	2.51 [63.70]	3.96 [100.69]	
	BRY26W48			
	BRY26W75			
	BRY26W76			
	BRY28W75	2.77 [70.41]	3.94 [99.98]	
	BRY28W76			
 Typical Face	BRY27W47	2.51 [63.70]	5.69 [144.55]	
	BRY27W48			
	BRY27W75			
	BRY27W76			
	BRY29W75	2.77 [70.41]	5.67 [144.00]	
	BRY29W76			

* Typical face only. Please reference Quick Selection Table for face configuration.

BRYANT® Watertight Wiring Devices - Weather Protective Accessories

**BRY3099**

Portable Outlet Boxes Features

- Non-conductive, impact resistant thermoplastic elastomer boxes reduce the exposure to potential hazards
- Automatic centering strain relief cord clamps
- NEMA Type 1, IP44
- Cord range 0.38" to 0.50" [9.7 mm to 12.7 mm]
- For use with 15A or 20A duplex receptacles (not included)
- Flip seals protect against wet environments and moisture when closed

Weather Protective Accessories

Part Number	Description	Price
BRY3099	Portable outlet box, 2 sides open to allow for up to 2 duplex receptacles, accepts cord size 0.38 to 0.5 in, NEMA 1, PBT thermoplastic elastomer housing, yellow.	<----->
BRY3056	Outlet box cover with lift cover, UL Type 3R, for use with portable outlet box BRY3099 and 15A or 20A duplex receptacles (not included)	<----->
BRY3054	Blank cover plate, UL Type 3R. For use with portable outlet box BRY3099.	<----->

**BRY3056****BRY3054**

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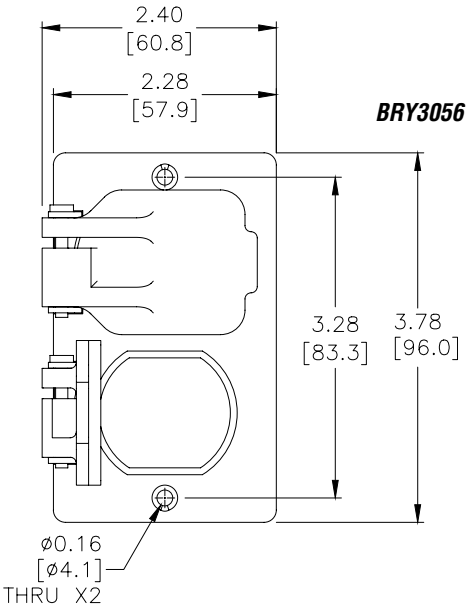
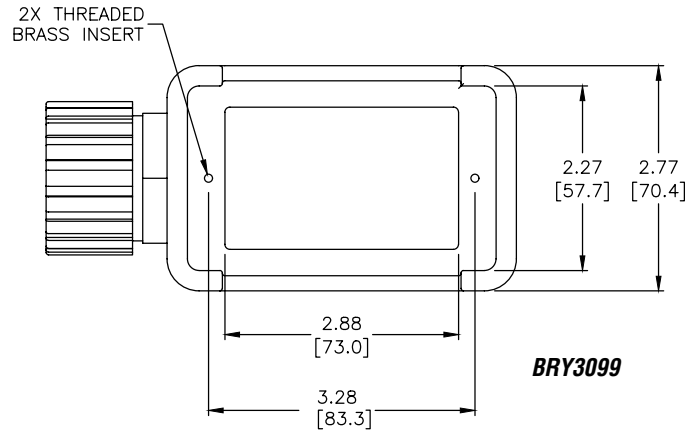
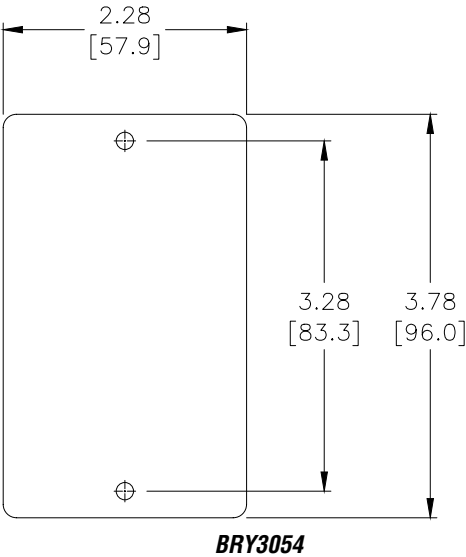
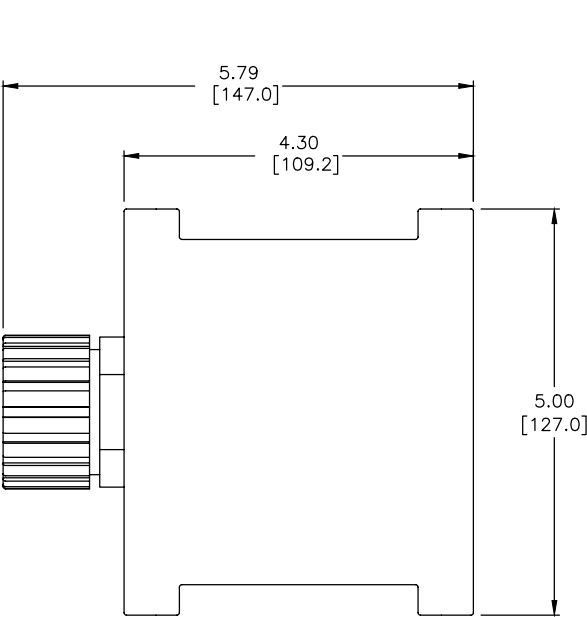
Materials	
Box enclosure	Thermoplastic elastomer, yellow
Strain relief nut	PBT
Grommet	Thermoplastic elastomer
Gotcha ring	Nylon
Locknut	Steel, zinc plate
Threaded inserts	Brass
Receptacle screw	Stainless steel
Cover plate	PBT
Cover plate seal	Neoprene
Cover plate spring	Stainless steel
Hinge pin	Stainless steel
Hinge bracket	Zinc plated steel
Rivets	Zinc plated steel

UL Cross Reference		
Part Number	UL Part Number	UL File Number
BRY3099	HBL3099	E92074
BRY3056	HBL3056	E92074
BRY3054	HBL3054	E92074

BRYANT® Watertight Wiring Devices - Weather Protective Accessories

Dimensions

Inches [mm]



Wiring Devices - NEMA Configuration Chart

Locking Style NEMA Configurations						
	Voltage	NEMA #	15 Ampere	20 Ampere	30 Ampere	
			Receptacle/Plug	Receptacle/Plug	Receptacle/Plug	
2-Pole 3-Wire Grounding	125V	L5	 	 	 	
	250V	L6	 	 	 	
	277V	L7	 	 	 	
	480V	L8		 	 	
	600V	L9		 	 	
3-Pole 4-Wire Grounding	125/250V	L14		 	 	
	3Ø 250V	L15		 	 	
	3Ø 480V	L16		 	 	
	3Ø 600V	L17			 	
4-Pole 5-Wire Grounding	3ØY 120/208V	L21		 	 	
	3ØY 277/480V	L22		 	 	

Straight-Blade Style NEMA Configurations						
	Voltage	NEMA #	15 Ampere	20 Ampere	30 Ampere	
			Receptacle/Plug	Receptacle/Plug	Receptacle/Plug	
2-Pole 3-Wire Grounding	125V	5	 	 	 	
	250V	6	 	 	 	

Note: Please see Appendix for

1.) Mechanical and electrical properties of material data

2.) Chemical resistance of material

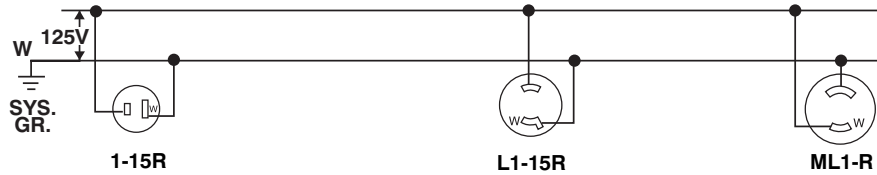
3.) Table III Hp rating chart

Wiring Devices – NEMA Wiring Diagrams

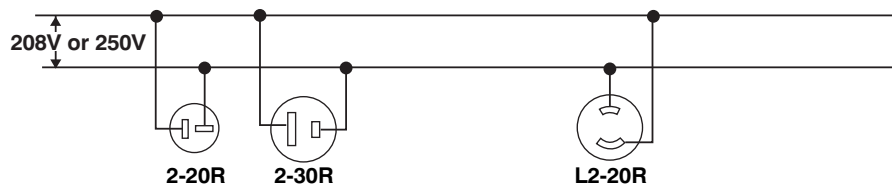
Reference material only. Please see Wiring Section in the catalog for product part number.

2-Pole 2-Wire

125V

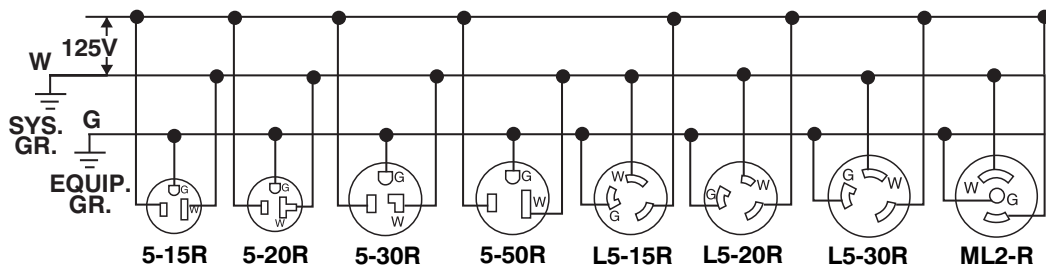


208V or 250V

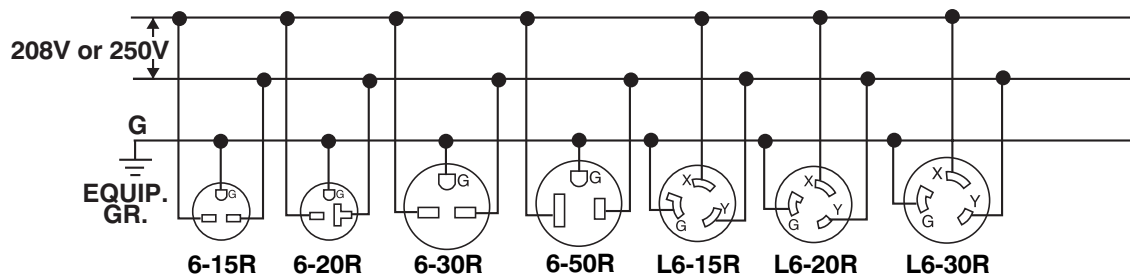


2-Pole 3-Wire Grounding

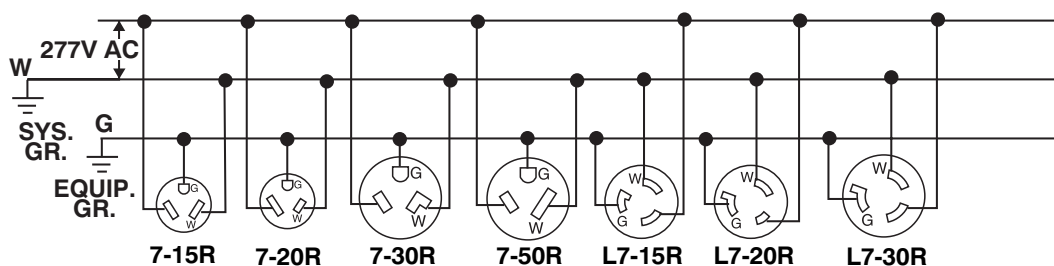
125V



208V or 250V



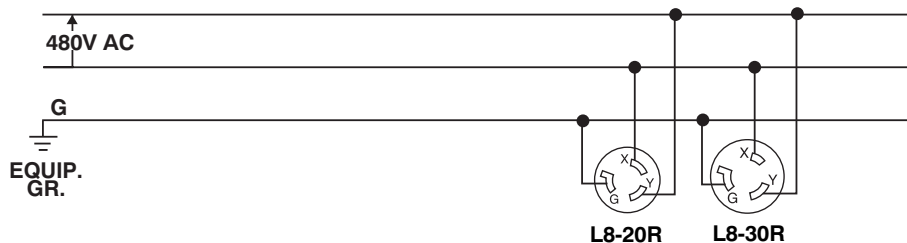
277V AC



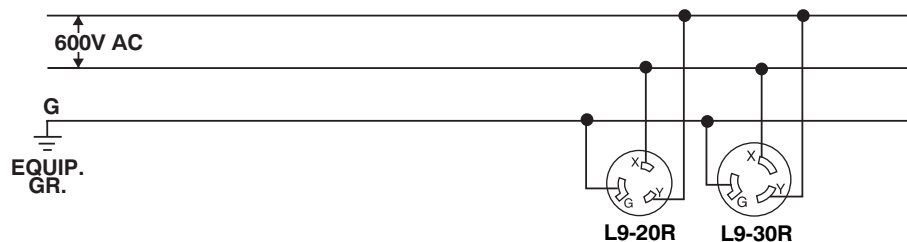
Wiring Devices – NEMA Wiring Diagrams

2-Pole 3-Wire Grounding

480V AC

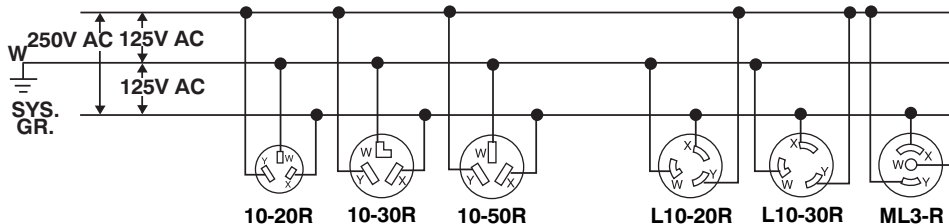


600V AC

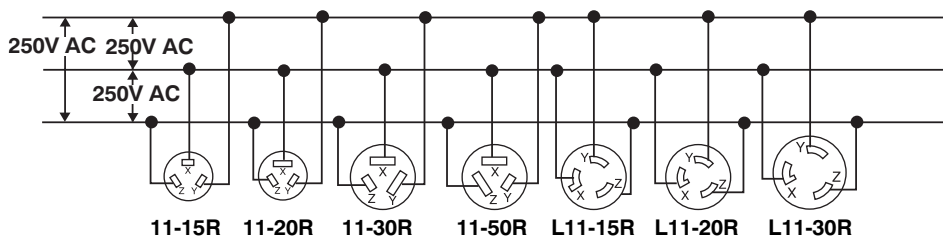


3-Pole 3-Wire

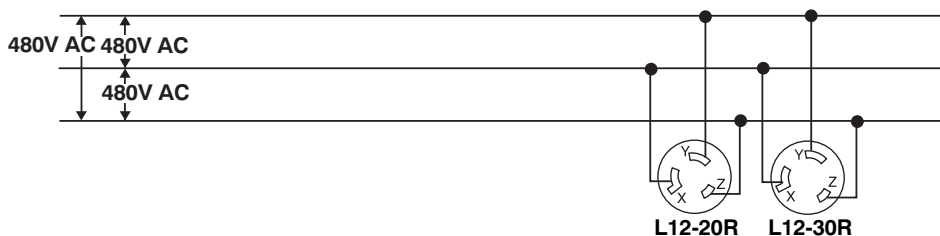
125V/250V AC



3 ϕ 250V AC



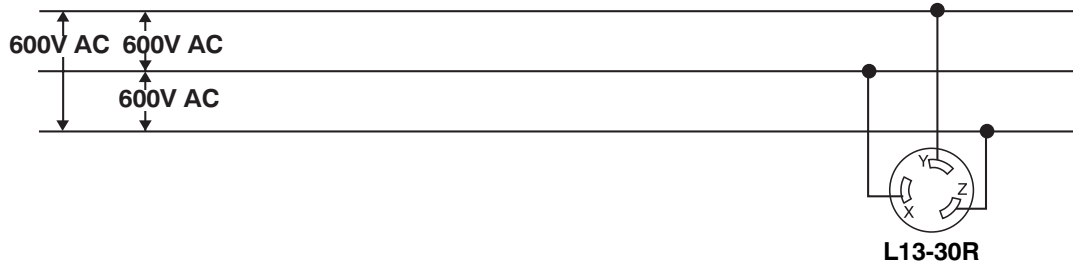
3 ϕ 480V AC



Wiring Devices – NEMA Wiring Diagrams

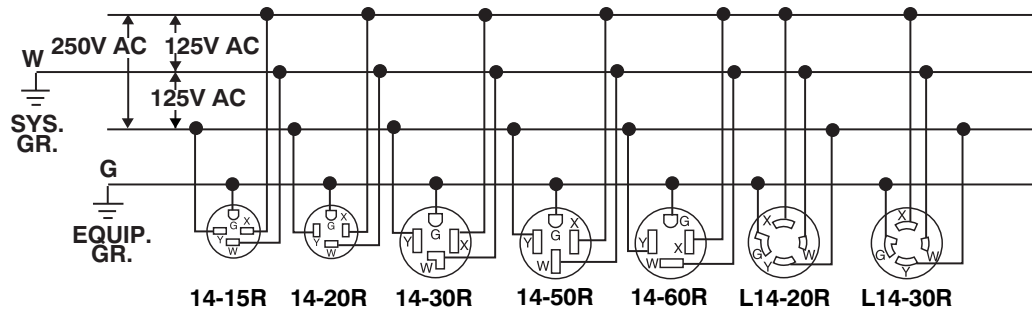
3-Pole 3-Wire Continued

3Ø 600V AC

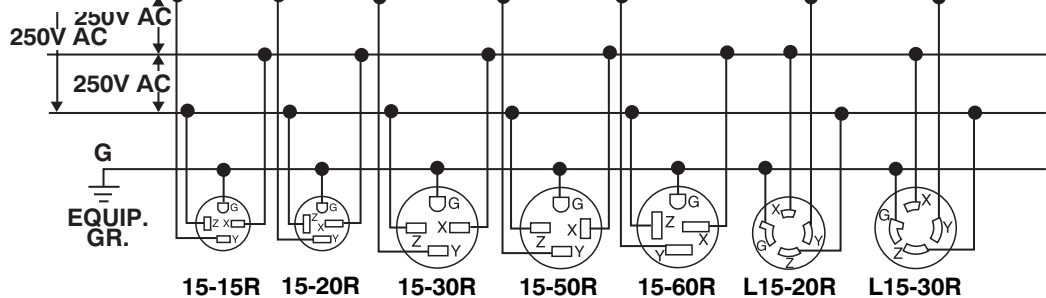


3-Pole 4-Wire Grounding

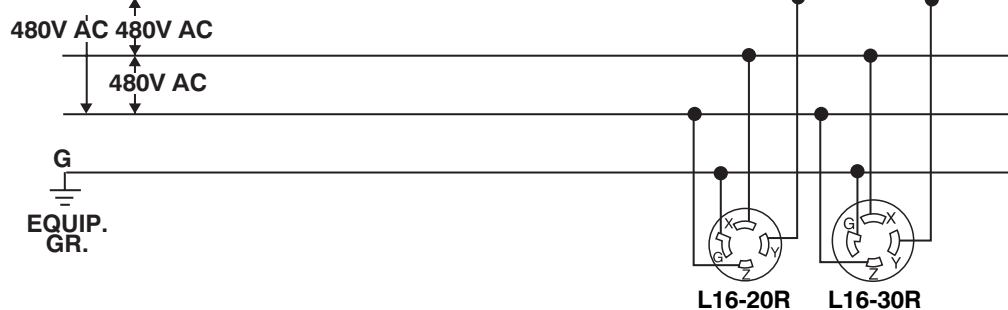
125/250V AC



3Ø 250V AC



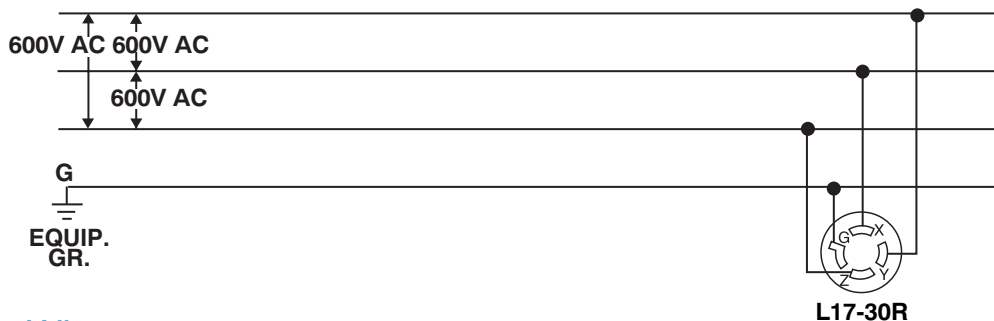
3Ø 480V AC



Wiring Devices – NEMA Wiring Diagrams

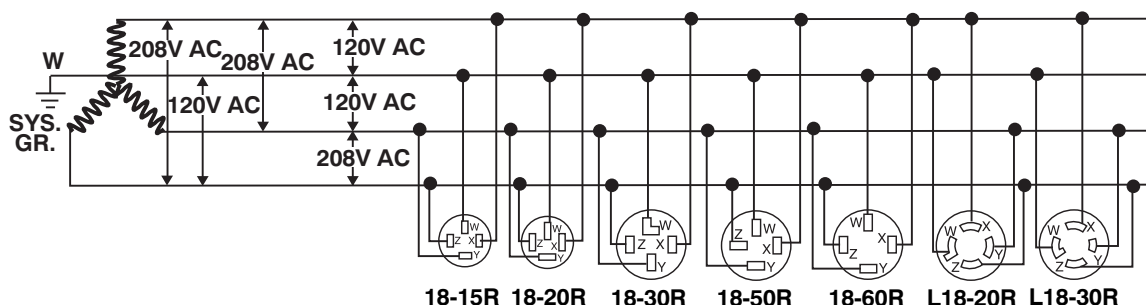
3-Pole 4-Wire Grounding Continued

3 ϕ 600V AC

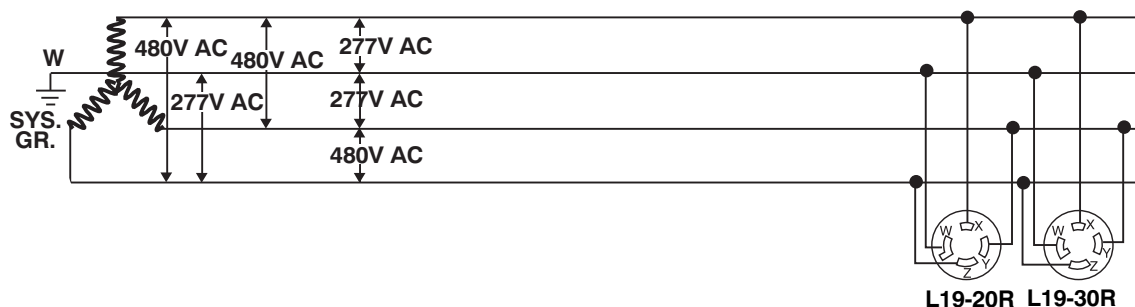


4-Pole 4-Wire

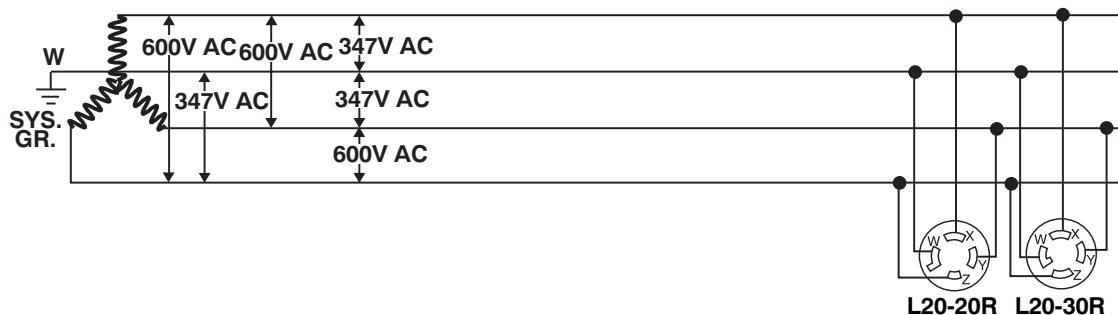
3 ϕ Y 120/208V AC



3 ϕ Y 277/480V AC



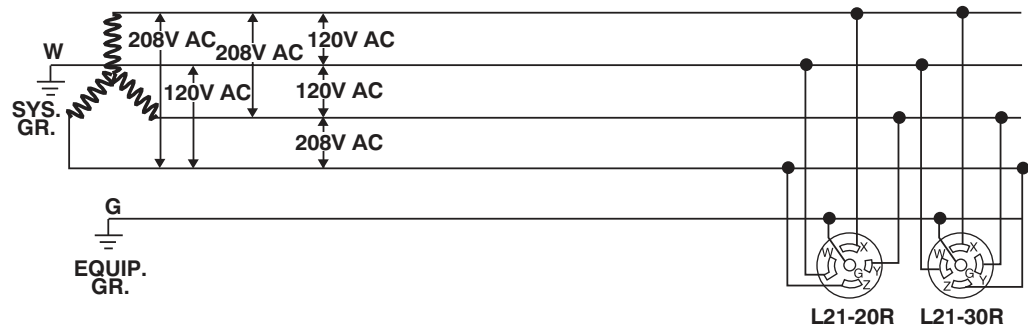
3 ϕ Y 347/600V AC



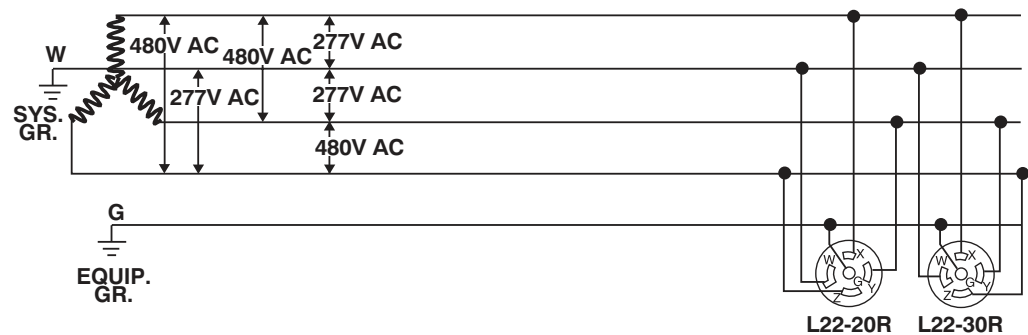
Wiring Devices – NEMA Wiring Diagrams

4-Pole 5-Wire Grounding

3ØY 120/208V AC



3ØY 277/480V AC



3ØY 347/600V AC

