Range & dryer power devices

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

Description

30A 125/250V/AC, 3-Pole, 4-Wire grounding
50A 125/250V/AC, 3-Pole, 4-Wire grounding
NEMA 14-30, 14-50

14-30P **14-30R**

14-50P **14-50R**

AH1257W   AH1258BK   1212   S21   5732AN   5745N
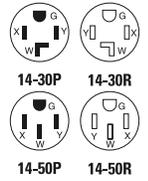
Design features for receptacles

- For use in homes with 4-wire connection points
- Heavy gauge galvanized steel mounting straps for corrosion resistance
- Terminal pressure plates for enhanced wire retention strength
- Surface receptacles have exclusive lay-in terminals that accept up to #4 AWG wire

Design features for plugs & connectors

- Universal plugs include blades for both 30A & 50A configurations
- Terminals have pressure plates to protect wires
- Auto grip plugs and connectors utilize an internal clamp design to secure cord during assembly
- Auto grip devices are built with a rugged high-strength thermoplastic
- Neoprene gasket seals around cord for added terminal protection on Auto grip devices
- Angled Auto grip plugs have 4 possible positions for maximum convenience

Table 1. NEMA 14-30 Dryer Power Devices

Catalog No.	Description	Amps	Volts	Color
☐ AH1257BK	Heavy-duty flush mount power receptacle	30	125/250	Black
☐ AH1257W	Heavy-duty flush mount power receptacle	30	125/250	White
☐ AH1257BK-SHST	Heavy-duty flush mount power receptacle, short strap	30	125/250	Black
☐ AH1167W-C	Heavy-duty flush mount power receptacle, Canadian mount	30	125/250	White
☐ 1225	Surface mount power receptacle	30	125/250	Black
☐ S21	Universal NEMA power plug	30/50	125/250	Black
☐ 5746N	Industrial grade auto grip straight body power plug	30	125/250	Gray
☐ 5732AN	Industrial grade angled plug	30	125/250	Gray

Table 2. NEMA 14-50 Range Power Devices

Catalog No.	Description	Amps	Volts	Color
☐ AH1258BK	Heavy-duty flush mount power receptacle	50	125/250	Black
☐ AH1258W	Heavy-duty flush mount power receptacle	50	125/250	White
☐ AH1258BK-NSC	Heavy-duty flush mount power receptacle, no mounting screws	50	125/250	Black
☐ AH1258BK-SHST	Heavy-duty flush mount power receptacle, short strap	50	125/250	Black
☐ AH1168W-C	Heavy-duty flush mount power receptacle, Canadian mount	50	125/250	White
☐ 1212	Surface mount power receptacle	50	125/250	Black
☐ S21	Universal NEMA power plug	30/50	125/250	Black
☐ 5745N	Industrial grade auto grip straight body power plug	50	125/250	Gray
☐ 5752AN	Industrial grade angled plug	50	125/250	Gray

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Applications

Today's homes feature sophisticated appliances requiring power devices that are more durable and reliable than ever, and our power devices are specifically designed to meet those challenges. Eaton's NEMA 14-30 and 14-50 power devices are built for a 4-wire grounding connection system which is commonly found in homes built after 1996. Our full offering of flush mount receptacles, surface mount receptacles and plugs are perfect for retrofit and renovations to common dryer and range circuits.

Table 1. Specifications

Catalog No.	AH1257, AH1167, AH1258, AH1168	1225, 1212
Device Type	Flush Mount Receptacles	Surface Mount Receptacles
NEMA Config	NEMA 14-30 and 14-50	NEMA 14-30 and 14-50
Wiring Type	Back wire	Back wire
Testing & Code Compliance	Listed to UL498, file no. E15058 cUL Listed to CSA C22.2, no. 42-M1999	Listed to UL498, file no. E15058 CSA certified to C22.2, no. 42, file no. 6914 (6233-81) NOM certified
Environmental Specifications	**Flammability:** Meets UL94 requirements; V0 rated **Temperature Rating:** -20°C to 75°C (-4°F to 167°F)	**Flammability:** Meets UL94 requirements; V0 rated **Temperature Rating:** -20°C to 75°C (-4°F to 167°F)
Electrical Specifications	**Dielectric Voltage:** Twice the device rating + 1000V per UL498 **Current Interrupting:** Yes, at full-rated current **Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload at 150% of rated current (DC)	**Dielectric Voltage:** Twice the device rating + 1000V per UL498 **Current Interrupting:** Yes, at full-rated current **Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload at 150% of rated current (DC)
Mechanical Specifications	**Terminal Accommodation:** #10 - #4 AWG **Voltage Ratings:** Permanently marked on device	**Terminal Accommodation:** #10 - #4 AWG **Voltage Ratings:** Permanently marked on device

Table 2. Materials

Catalog No.	AH1257, AH1167, AH1258, AH1168	1225, 1212
Device Type	Flush Mount Receptacles	Surface Mount Receptacles
Receptacle base	PVC	Urea
Receptacle face	PVC	Polypropylene
Line contacts	0.040" thick 260 brass	0.040" thick 260 brass
Terminal clamps	N/A	0.093" thick steel
Terminal Lugs	0.050" thick steel	N/A
Terminal screws	1/4-28 UNF-2A Tri-drive Screw	1/4-20 set screw, copper plated
Ground contact	0.040" thick brass	0.032" thick brass
Ground screws	1/4-28 UNF-2A Tri-drive Screw	1/4-20 set screw, zinc plated, green
Assembly/mounting screws	#6 - 32 steel, zinc plated (except AH1258BK-NSC)	#6 - 32 steel, zinc plated
Receptacle mounting plate	0.042" thick galvanized steel	0.045" thick galvanized steel

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

Table 3. Specifications

| Catalog No.	S21	5746N, 5732AN, 5745N, 5752AN
Device Type	Angled Universal Plug	Auto Grip Industrial Plugs
NEMA Config	NEMA 14-30 and 14-50	NEMA 14-30 and 14-50
Wiring Type	Back wire	Back wire
Testing & code compliance	Listed to UL498 file no. E150012 NOM certified	cULus Listed to UL498, file no. E15058 CSA certified to C22.2, no. 42 Complies with Fed Spec WC-596G 5746N: NOM certified
Environmental Specifications	**Flammability:** Meets UL94 requirements; V0 rated **Temperature Rating:** -20°C to 60°C (-4°F to 140°F)	**Flammability:** Meets UL94 requirements; V2 rated **Temperature Rating:** -40°C to 75°C (-40°F to 167°F)
Electrical Specifications	**Dielectric Voltage:** Twice the device rating + 1000V per UL498 **Current Interrupting:** Yes, at full-rated current **Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload at 150% of rated current (DC)	**Dielectric Voltage:** ≤300V: 2000V, 301-600V: 3000V per UL498 **Current Interrupting:** Yes, at full-rated current **Temperature Rise:** Max. 30ºC (86°F) after 50 cycles of overload @ 150% of rated current (DC)
Mechanical Specifications	**Terminal Accommodation:** #10 - #8 AWG **Voltage Ratings:** Permanently marked on device	**Terminal Accommodation:** #12 - #4 AWG **Voltage Ratings:** Permanently marked on device

Table 4. Materials

Catalog No.	S21	5746N, 5732AN, 5745N, 5752AN
Device Type	Angled Universal Plug	Auto Grip Industrial Plugs
Plug outer shell or flanged housing	PVC	Nylon
Interior body	N/A	Nylon
Terminal retainer	N/A	Straight Plugs: Polypropylene, Angled Plugs: ABS
Blades	0.096" thick brass	0.065" thick brass
Terminal clamps	Steel, zinc plated	Galvanized steel
Terminal screws	1/4-28 set screw, steel, zinc plated	#8 - 32 brass, nickel plated
Ground screw	1/4-28 set screw, steel, zinc plated	#8 - 32 brass, green
Assembly/mounting screws	#6 - 32 steel, nickel plated	Steel
Cord clamp	Steel, zinc plated	Polypropylene
Gasket/dust shield	N/A	Straight Plugs: Neoprene, Angled Plugs: N/A

Product Dimensions
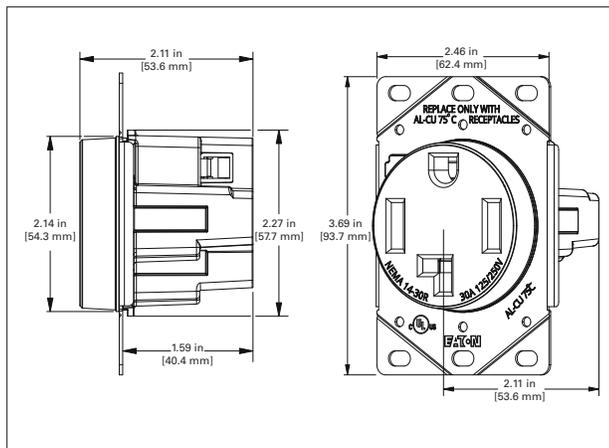
Figure 1. Flush Mount Receptacle
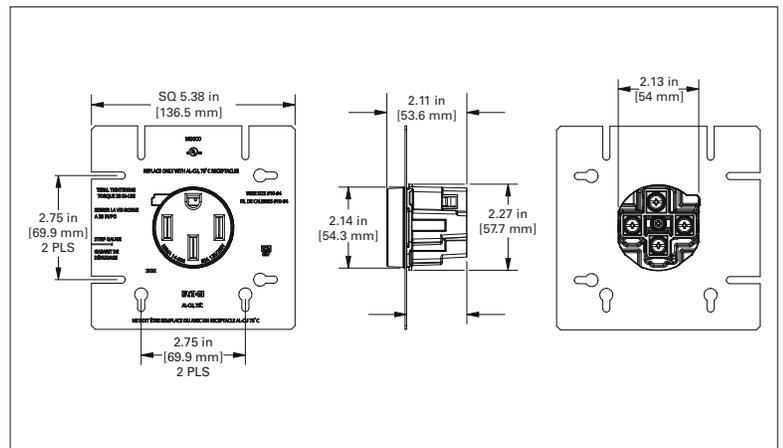
Figure 2. Flush Mount Receptacle - Canadian Mountain Strap

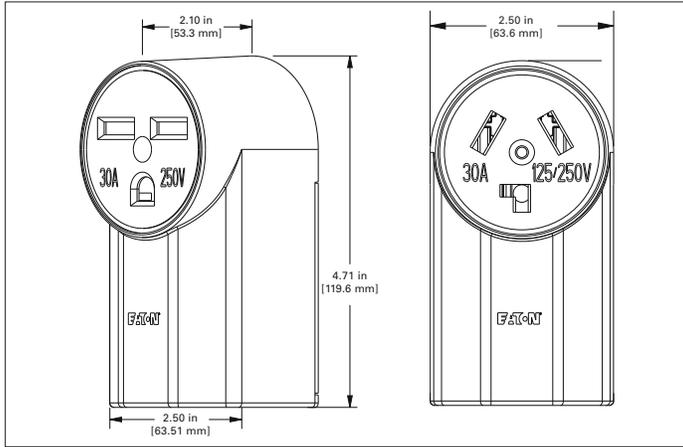| Project Name:	Prepared By:
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Catalog Number:	Type:

Product Dimensions

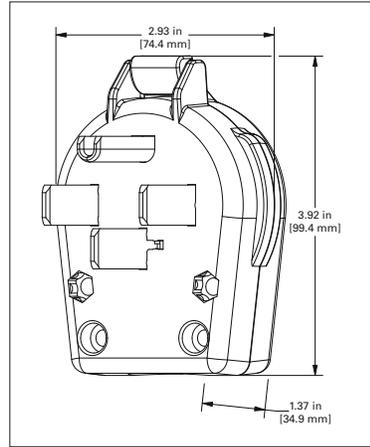**Figure 3. Surface Mount Receptacle**

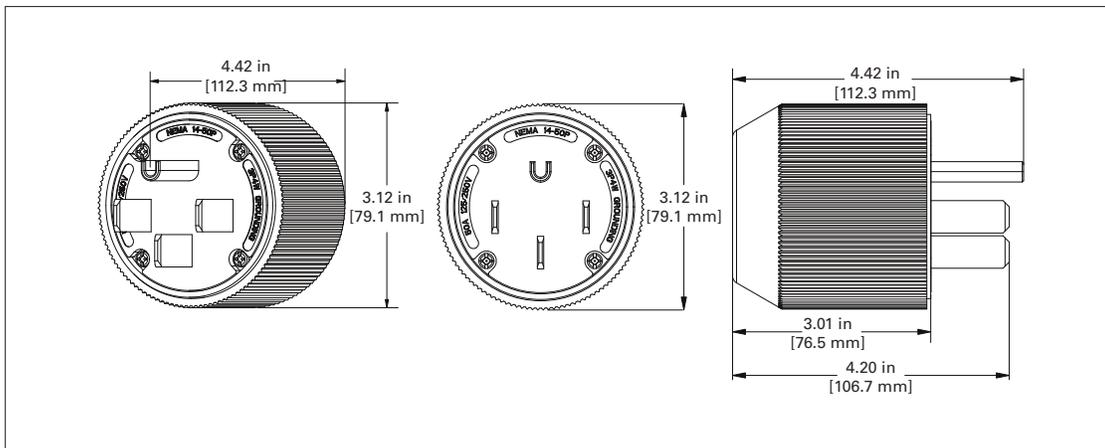**Figure 4. Universal Power Plug**

Figure 5. Auto Grip Industrial Plug
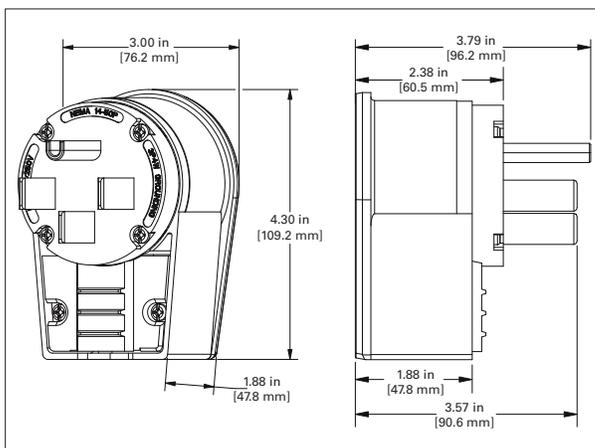
Figure 6. Auto Grip Industrial Angled Plug
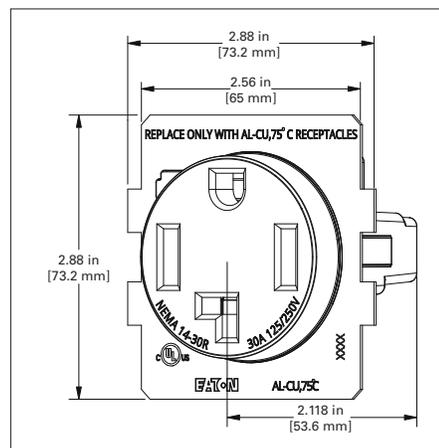
Figure 7. Flush Mount Receptacles - Short Strap

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

Certifications & Compliances

Catalog No.	cULus	UL	CSA	FULus	NOM	USMCA
AH1257BK	•				•	•
AH1257W	•					•
AH1257BK-SHST	•					•
AH1167W-C	•		•			•
1225		•	•		•	•
S21	•					•
5746N	•			•	•	•
5732AN	•			•		•
AH1258BK	•					•
AH1258W	•					•
AH1258BK-NSC	•					•
AH1258BK-SHST	•					•
AH1168W-C			•			•
1212		•	•			•
5745N	•	•	•	•		•
5752AN	•	•	•	•		•

KEY: cULus UL CSA FULus NOM USMCA

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