

RECEPTACLES



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VersaMATE

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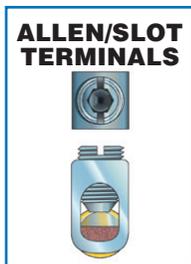




INTRODUCTION • NEMA 4X METALLIC



VR/VP



ALLEN/SLOT
TERMINALS



VSQ



VBQ

600 VAC/250VDC; 50-400 hertz
 NEMA 3, 4, 4X
 Class I, Div. 1 & 2, Groups B, C, D;
 NEMA 7 B, C, D^②
 Class I, Zones 1 & 2, IIB+H2, IIA^②
 Class II, Div. 1 & 2, Groups F & G;
 NEMA 9 F, G^②
 Class III^②



FEATURES-SPECIFICATIONS

NEMA 4X VersaMATE®

THE FIRST NEMA 4X RATED LINE OF METALLIC PLUGS & RECEPTACLES.

VersaMate® metallic pin & sleeve plugs & receptacles are designed for heavy duty industrial use. These devices supply power to both fixed and portable electrical equipment including pumps, generators, welders, vacuums, blowers and similar apparatus.

Suitable for indoor or outdoor use. Applications include the wet, cold, hosedown, hazardous or corrosive areas in such industrial applications as:

- Pulp & Paper Mills
- Electrical Power Plants
- Petrochemical Plants
- Wastewater Treatment
- Marine, Docks, Ports
- Construction Sites
- Breweries
- Refineries
- Chemical Plants
- Grain Facilities
- Textile Manufacturing
- Food Processing Facilities

^① VersaMate® components are UL classified and intermateable with other UL 1686-C1 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device. 150A models UL intermateable w/Appleton® Powertite® only.

^② See product pages for specific ratings.

Arktite® is a registered trademark of Crouse-Hinds®. Powertite® is a registered trademark of Appleton®.

Standard Materials:

Copper-free aluminum construction with electrostatically applied epoxy/polyester finish. Contacts are brass with a patented beryllium copper spring tensiometer. External screws are 316 stainless steel.

Features:

The VersaMate product line includes 30, 60, 150^①, 100 and 200 Amp plugs, receptacles and connectors with a full range of back boxes. Popular options include reverse service and polarization. The VersaMate line is **FULLY INTERCHANGEABLE**^① with UL1686 configured and listed devices such as Crouse-Hinds® Arktite® or Appleton® Powertite®. Standard location receptacle bolt hole patterns match competitive back boxes so users can upgrade to VersaMate without changing back boxes in instances where changing the conduit system is difficult.

Plugs:

Octagonal style (patented) for a firm and sure grip when connecting or disconnecting is featured on both plug and cable connector bodies. Insulators have high mechanical and dielectric strength and are “Low Arc Tracking.” “Increased Safety” type box terminals with gripper ribs securely clamp around conductors. Funneled conductor entry chambers lead all properly stripped conductors into terminals **simultaneously**. NEMA 4X rating when inserted into VersaMate receptacle and locking ring is tightened. Includes suitability for Type P marine cable.



Receptacles:

Exclusive Patented “Breach-Lock” cap serves as either flip lid or screw cover. Receptacle is NEMA 3R with lid snapped shut or NEMA 4X with lid turned shut or when VersaMate plug is inserted and locking ring tightened. Patented notch in cap arm holds cap open for easy plug insertion or maintenance. Patented pin design uses slotted spring clip which avoids excessive wear while providing continuous electrical pin to sleeve contact. VersaMate® receptacles use the same “Increased Safety” terminals and funnel design as VersaMate® plugs.



Cable Clamping Assembly:

Plugs and cable connectors are supplied with an exclusive neoprene “Onion Skin” peel-away type grommet. The VersaMate® cable clamp system captures cable with **four grip points** using **only two** tightening screws. Clamp guide assembly provides a firm fit over a wide range of cable diameters. Non-removable set screws prevent clamp guide assembly from backing out. Clamps have smooth contoured shoulder design to prevent snags or damage when moving equipment.



Back Boxes:

VersaMate back boxes come in a variety of mounting styles. Exclusive “blind” receptacle mounting holes prevent moisture from entering box via thread cavities. Boxes come with a green grounding screw.



RECEPTACLES

VERSAMATE® SERIES

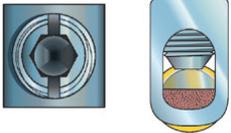
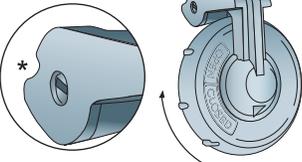
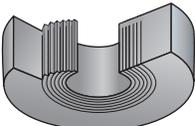


FEATURES / COMPARISONS



- First NEMA 4X – Still the BEST!
- Exclusive interior gasketing
- Exclusive Terminal Designs
 - » No conductor machining
 - » Allen or Phillips types

- Exclusive Onion-Skin Gasket
 - » Perfect Cable Fit
- Exclusive 4-Point Cable Grip
 - » Uses only 2 Recessed Screws
- Exclusive Breech-Lock Cap
 - » Flip or Screw-On
 - » Notch to hold open

KILLARK BRAND TERMINALS	RECEPTACLE/CONNECTOR PIN CONFIGURATION						
	STYLE 1			STYLE 2			
	AMPS	POLES AND WIRES	RECEPTACLE/CONNECTOR CONFIGURATION*	AMPS	POLES AND WIRES	RECEPTACLE/CONNECTOR CONFIGURATION*	
 <p>New Allen/slot terminal screws do not contact or machine conductor. Allows higher torque values typical in the oil industry.</p>	30	2W2P		30	2W3P		
		3W3P			3W4P		
		4W4P			60	2W3P	
 <p>VersaMate original Phillips/slot "Increased Safety" type terminals reduce connection fatigue. Screws do not contact or machine conductor and are under spring tension to reduce loosening and pullout due to vibration.</p>	60	2W2P		100		3W4P	
		3W3P				2W3P	
		4W4P			3W4P		
 <p>"Breech-Lock" design serves as both flip lid or screw cover style. Special notch in lid arm holds cover open to ease plug insertion or maintenance. *Slip pencil or screwdriver into notch.</p>	100	2W2P		150A	3W4P		
		3W3P			200	2W3P	
		4W4P				3W4P	
 <p>Exclusive "Onion Skin" style gasket assures a tight seal around cable. Skin layers are removed from a single gasket to adjust for various cable diameters.</p>	150A	4W4P					
	200	3W3P					
		4W4P					

REVERSE SERVICE: S39

Add suffix **S39** for factory Reverse Service of receptacles, plugs or connectors. Receptacles or connectors are assembled with plug interiors while plugs are assembled with receptacle interiors. For applications where the plug is energized (i.e. from a generator) to feed a non-energized receptacle. Prevents easy contact with energized exposed pins. This conversion can be performed in the field with a complementary plug and receptacle (30A to 150A devices shown on pages PR5-PR8). 200A Amp devices shown on page PR9 are a factory-only option. Reverse service is not for hazardous locations.



Typical Application

POLARIZED OPTION: S37

Add suffix **S37** for special polarity.

Can prevent connection between mismatched voltages or frequencies in areas where devices of the same amperage, poles and grounding style are used. Receptacle or connector interiors are rotated 22-1/2° to the right; plug is rotated opposite to match. This is a factory only option.



Standard



S37 Option



EXCLUSIVE FEATURES & GROUNDING METHODS



P Patented Exclusive “Breech-Lock” cap serves as either flip lid or screw cover

- NEMA 3R Rating: When receptacle cap is snapped shut
- NEMA 4X Rating: When receptacle cap is turned shut or with VersaMate® plug inserted and ring tightened

P Patented Special notch is designed to hold cap open for easy field service or plug insertion with **two** free hands

• Funneled wiring chamber design for fast and accurate conductor insertion to speed assembly. All wires can be inserted at **one time**

• Exclusive neoprene “Onion Skin” peel-away type gasket for the ultimate in sealing a variety of cable sizes

• The VersaMate® Cable clamp system captures cable with four grip points using only two tightening screws. Provides secure grip without damaging the cable insulation

• **Unique VersaMate® Feature**
The VersaMate Line is designed for the industrial customer based on engineering and user surveys

P Denotes Patented Feature

• Allen/Slot type box terminals provide secure clamping of conductors (200A Version is Patented)

• Exclusive O-ring seals

• **Custom** pin design using slotted spring clip to provide superior contact and reliability

• Exclusive O-ring seals

• Allen/Slot type box terminals provide secure clamping of conductors (200A Version is Patented)

P Patented Body style with octagonal shape for easy grip

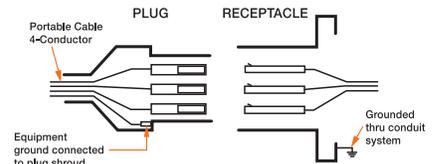
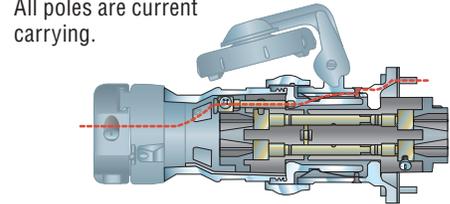
• Smooth shoulder contour prevents snags & hang ups

Grounding:

To minimize the danger of electrical shock when utilizing portable equipment, the National Electrical Code requires exposed metal parts be grounded if operated at more than 150 volts to ground. The VersaMate® plug & receptacle system is available in two grounding styles. Please note Style I and II devices cannot be intermated.

Style I

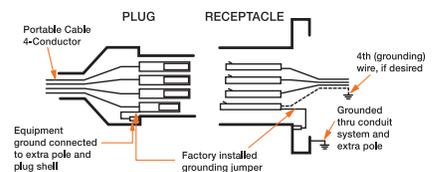
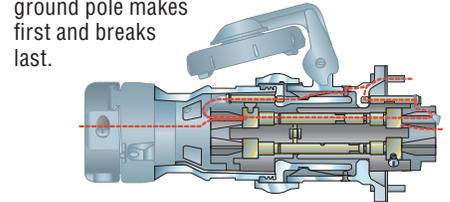
In a Style I plug, the cable’s ground conductor is bonded to the plug housing by means of solderless connector. The receptacle is grounded by being part of a grounded conduit system. Upon insertion, detent springs in the receptacle housing contact and ground the plug housing before current carrying poles. All poles are current carrying.



3W3P Illustrated

Style II

In a Style II plug, the cable’s ground conductor is bonded to the extra grounding pole and to the plug housing via a bonding jumper. The receptacle has a matching grounding pole connected to the system ground conductor which is further tied to the grounded conduit system via a bonding jumper. Upon insertion, detent springs in the receptacle housing contact and ground the plug housing; then the extra long ground pole connects before the current carrying poles engage. The Style II ground pole makes first and breaks last.



3W4P Illustrated

RECEPTACLES

VERSAMATE® SERIES



30A SELECTION INFORMATION



Plug

Connector



Original or AT Terminals. See PR3 for more information

• 30 Amp 600VAC/250VDC; 50-400 Hertz
NEMA 3, 4, 4X①

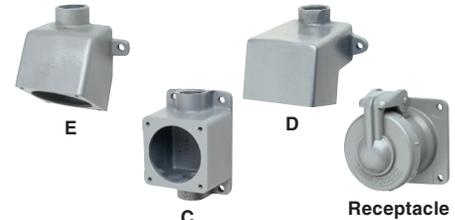
Wire Range

Regular Stranding: #10 - #6 original style or "AT" type (Includes Type P marine)
Extra flex: #10 - #8 original style or "AT" type

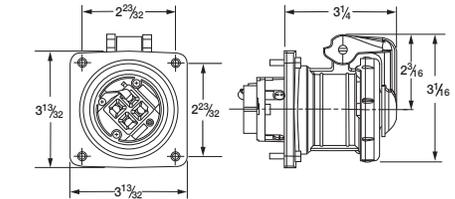
UL File No. E10757 CS Certified File No. LR111846

FEATURES-SPECIFICATIONS

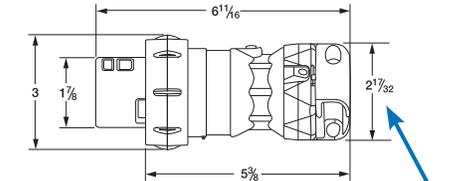
30 AMP PLUGS & CONNECTORS						
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER			
			PLUG		CONNECTOR	
			ORIG.	AT	ORIG.	AT
Style I	2W2P	.55 - 1.20 IN	VP3275	VP3022	VPR3255	VPR3022
	3W3P	.55 - 1.20 IN	VP3375	VP3033	VPR3355	VPR3033
	4W4P	.55 - 1.20 IN	VP3475	VP3044	VPR3455	VPR3044
Style II	2W3P	.55 - 1.20 IN	VP3385	VP3023	VPR3365	VPR3023
	3W4P	.55 - 1.20 IN	VP3485	VP3034	VPR3465	VPR3034



Receptacle

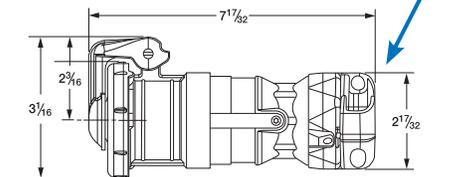


Plug



VersaMate® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two - requiring additional sizing decisions).

Connector



MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

* See page PR3 for more information on these options.

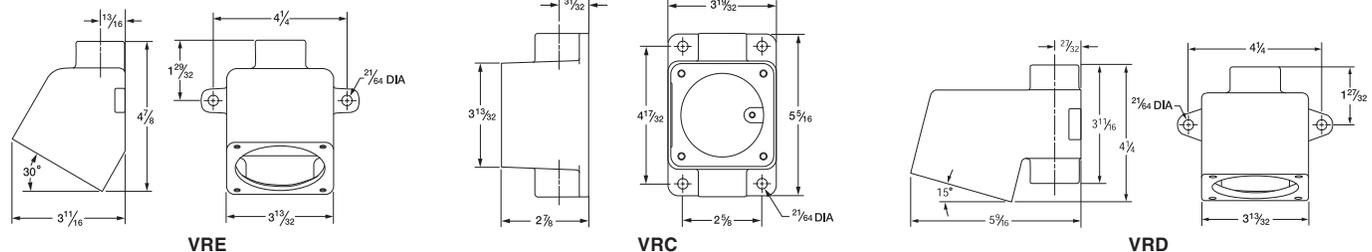
30 AMP RECEPTACLES & BACK BOXES									
GROUND STYLE	CIRCUIT	CATALOG NUMBER							
		E⓪ TYPE DEAD END		C⓪ TYPE FEED THRU		D⓪ TYPE ANGLED FEED THRU		RECEPTACLE ONLY	
		ORIG.	AT	ORIG.	AT	ORIG.	AT	ORIG.	AT
Style I	2W2P	VR321E2	VR3022E2	VR321C2	VR3022C2	VR321D2	VR3022D2	VR321	VR3022
	3W3P	VR331E2	VR3033E2	VR331C2	VR3033C2	VR331D2	VR3033D2	VR331	VR3033
	4W4P	VR341E2	VR3044E2	VR341C2	VR3044C2	VR341D2	VR3044D2	VR341	VR3044
Style II	2W3P	VR332E2	VR3023E2	VR332C2	VR3023C2	VR332D2	VR3023D2	VR332	VR3023
	3W4P	VR342E2	VR3034E2	VR342C2	VR3034C2	VR342D2	VR3034D2	VR342	VR3034
Splice box only⓪		VRE23	VRE23	VRC23	VRC23	VRD23	VRD23	-	-

① Components are interchangeable & UL classified with other UL1686 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.

- Note, 2, 3 & 4 pole device dimensions are the same.

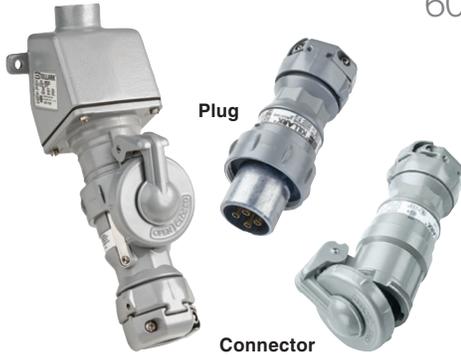
② 30 Amp Back Boxes are available in 1/2", 3/4" and 1" conduit sizes. Size listed for 3/4". For other available sizes, change the BOLD "2" in either the assembly or box only number to: **1**=1/2", **2**=3/4", **3**=1". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.

Back Box Dimensions





60A SELECTION INFORMATION



Plug

Connector



• 60 Amp 600VAC/250VDC; 50-400 Hertz
NEMA 3, 4, 4X^①

Wire Range

Regular Stranding: #6 - #2 original style or "AT" type
(Includes Type P marine)
Extra flex: #6 - #4 original style or "AT" type

UL File No. E10757 SP Certified File No. LR111846

FEATURES-SPECIFICATIONS

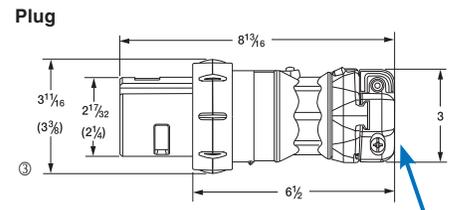
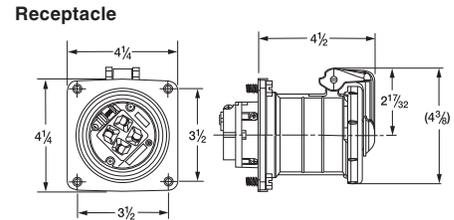
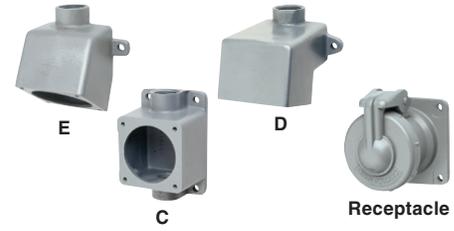
60 AMP PLUGS & CONNECTORS						
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER			
			PLUG		CONNECTOR	
			ORIG.	AT	ORIG.	AT
Style I	2W2P	.65 - 1.50 IN	VP6275	VP6022	VPR6255	VPR6022
	3W3P	.65 - 1.50 IN	VP6375	VP6033	VPR6355	VPR6033
	4W4P	.65 - 1.50 IN	VP6475	VP6044	VPR6455	VPR6044
Style II	2W3P	.65 - 1.50 IN	VP6385	VP6023	VPR6365	VPR6023
	3W4P	.65 - 1.50 IN	VP6485	VP6034	VPR6465	VPR6034

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

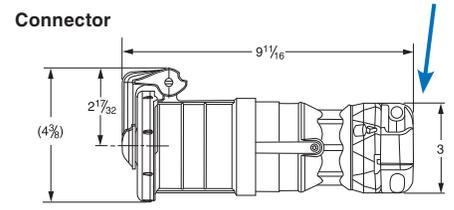
* See page PR3 for more information on these options.

60 AMP RECEPTACLES & BACK BOXES									
GROUND STYLE	CIRCUIT	CATALOG NUMBER							
		E [ⓐ] TYPE DEAD END		C [ⓑ] TYPE FEED THRU		D [ⓒ] TYPE ANGLED FEED THRU		RECEPTACLE ONLY	
		ORIG.	AT	ORIG.	AT	ORIG.	AT	ORIG.	AT
Style I	2W2P	VR621E4	VR6022E4	VR621C4	VR6022C4	VR621D4	VR6022D4	VR621	VR6022
	3W3P	VR631E4	VR6033E4	VR631C4	VR6033C4	VR631D4	VR6033D4	VR631	VR6033
	4W4P	VR641E4	VR6044E4	VR641C4	VR6044C4	VR641D4	VR6044D4	VR641	VR6044
Style II	2W3P	VR632E4	VR6023E4	VR632C4	VR6023C4	VR632D4	VR6023D4	VR632	VR6023
	3W4P	VR642E4	VR6034E4	VR642C4	VR6034C4	VR642D4	VR6034D4	VR642	VR6034
Splice box only [ⓓ]		VRE46	VRE46	VRC46	VRC46	VRD46	VRD46	-	-

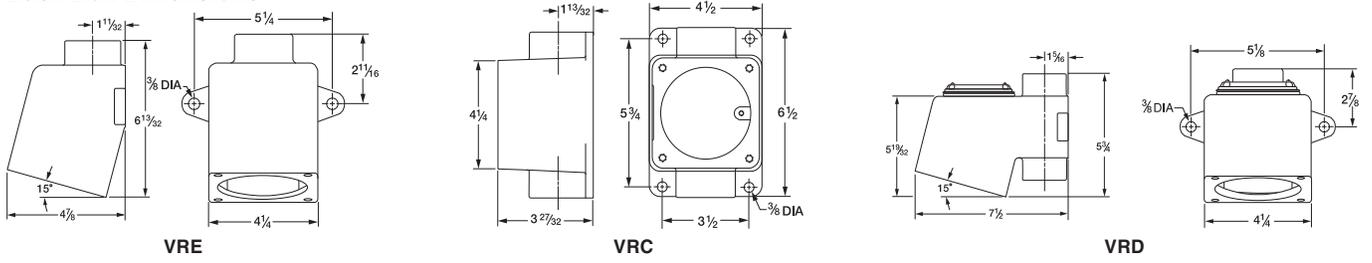
- ① Components are interchangeable & UL classified with other UL1686 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.
- ② 60 Amp Back Boxes are available in 1", 1-1/4" and 1-1/2" conduit sizes. Size listed above is 1-1/4". For other available sizes, change the BOLD "4" in either the assembly or box only number as follows: **3**=1", **4**=1-1/4", **5**=1-1/2". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.
- ③ 60 Amp receptacles also fit 100 Amp mounting boxes - Dimensions in () are 3 pole devices; balance are 4 pole.



VersaMate® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two - requiring additional sizing decisions).



Back Box Dimensions



RECEPTACLES

VERSAMATE® SERIES



100A SELECTION INFORMATION



Plug

Connector



Original or AT Terminals. See PR3 for more information

• 100 Amp 600VAC/250VDC; 50-400 Hertz
NEMA 3, 4, 4X^①

Wire Range

Regular Stranding: #4 - #2 original style or "AT" type
(Includes Type P marine)
Extra flex: #4 - #2 original style or "AT" type

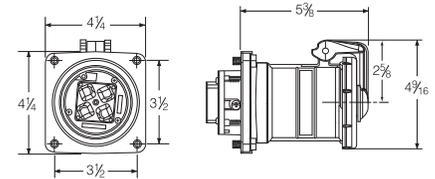
UL File No. E10757 IEC Certified File No. LR111846

FEATURES-SPECIFICATIONS

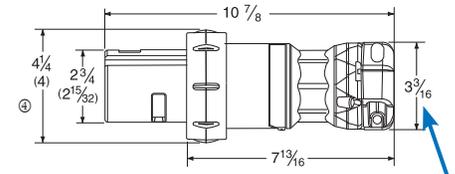
100 AMP PLUGS & CONNECTORS						
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER			
			PLUG		CONNECTOR	
			ORIG.	AT	ORIG.	AT
Style I	2W2P	.88 - 1.68 IN	VP10277	VP1022	VPR10257	VPR1022
	3W3P	.88 - 1.68 IN	VP10377	VP1033	VPR10357	VPR1033
	4W4P	.88 - 1.68 IN	VP10477	VP1044	VPR10457	VPR1044
Style II	2W3P	.88 - 1.68 IN	VP10387	VP1023	VPR10367	VPR1023
	3W4P	.88 - 1.68 IN	VP10487	VP1034	VPR10467	VPR1034



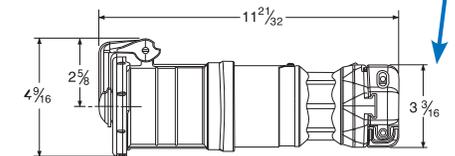
Receptacle



Plug



Connector



VersaMate® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two - requiring additional sizing decisions).

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

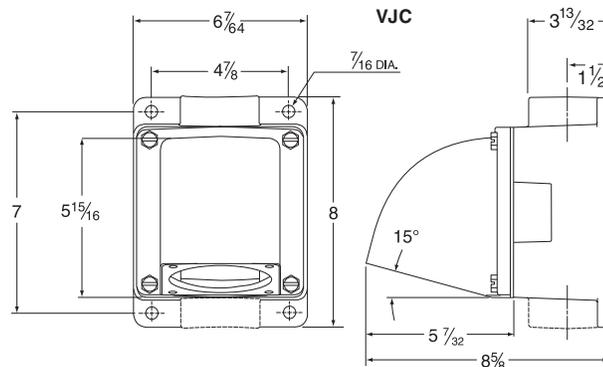
* See page PR3 for more information on these options.

100 AMP RECEPTACLES & BACK BOXES							
GROUND STYLE	CIRCUIT	CATALOG NUMBER					
		E ^② TYPE DEAD END		C ^② TYPE FEED THRU		RECEPTACLE ONLY	
		ORIG.	AT	ORIG.	AT	ORIG.	AT
Style I	2W2P	VR1021E5	VR1022E5	VR1021C5	VR1022C5	VR1021	VR1022
	3W3P	VR1031E5	VR1033E5	VR1031C5	VR1033C5	VR1031	VR1033
	4W4P	VR1041E5	VR1044E5	VR1041C5	VR1044C5	VR1041	VR1044
Style II	2W3P	VR1032E5	VR1023E5	VR1032C5	VR1023C5	VR1032	VR1023
	3W4P	VR1042E5	VR1034E5	VR1042C5	VR1034C5	VR1042	VR1034
Splice box only ^③		VJ57	VJ57	VJC57	VJC57	VJA100*	VJA100*

* Angle adapter only

- ① Components are intermateable & UL classified with other UL1686 configured devices (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.
- ② 100 Amp Back Boxes are available in 1", 1-1/4", 1-1/2" & 2" conduit sizes. Size listed above is 1-1/2". For other available sizes, change the BOLD "5" in either the assembly or box only number as follows: **3**=1", **4**=1-1/4", **5**=1-1/2", **6**=2". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.
- ③ 100 Amp Boxes & Adapters also fit 60 Amp receptacles. Adapter only can be used to attach receptacle at an angle to a standard sheet metal box.
- ④ Dimensions in () are 3 pole devices; balance are 4 pole.

Back Box Dimensions



Feed through style shown



150A SELECTION INFORMATION



**ALLEN
TERMINALS**



Plug



Connector

• 150 Amp 600VAC/250VDC; 50-400 hertz
NEMA 3, 4, 4X①

Wire Range
Building #2-2/0
(Includes Type P marine)
Extra Flex #2-2/0

cULus File No. E10757
SP



E



C



Receptacle

FEATURES-SPECIFICATIONS

150 AMP PLUGS & CONNECTORS				
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	4W4P	.88 - 1.91 IN	VPA15044	VCA15044
Style II	3W4P	.88 - 1.91 IN	VPA15034	VCA15034

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

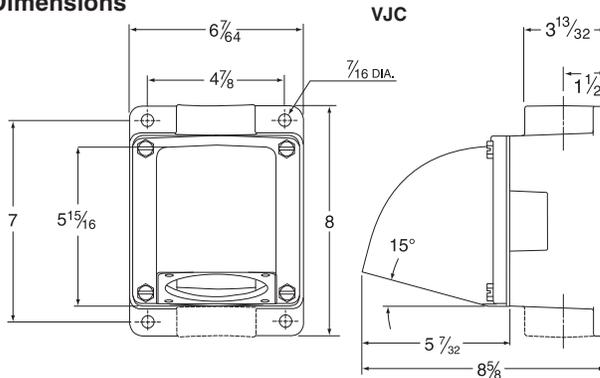
* See page PR3 for more information on these options.

150 AMP RECEPTACLES & BACK BOXES				
GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E② TYPE DEAD END	C③ TYPE FEED THRU	RECEPTACLE ONLY
Style I	4W4P	VRA15044E6	VRA15044C6	VRA15044
Style II	3W4P	VRA15034E6	VRA15034C6	VRA15034
Splice box only w/ adapter②③		VJ67	VJC67	VJA100*

* Angle adapter only

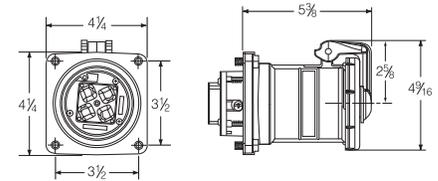
- ① Components are interchangeable & UL classified with Appleton® Powertite® (when installed in accordance with instructions furnished with device). Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.
- ② 150 Amp Back Boxes are available in 1-1/4", 1-1/2" & 2" conduit sizes. Size listed above is 2". For other available sizes, change the BOLD "6" in either the assembly or box only number as follows: **4**=1-1/4", **5**=1-1/2", **6**=2". Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.
- ③ 100/150 Amp Boxes & Adapters also fit 60 Amp receptacles. Adapter-only can be used to attach receptacle at an angle to a standard sheet metal box.

Back Box Dimensions

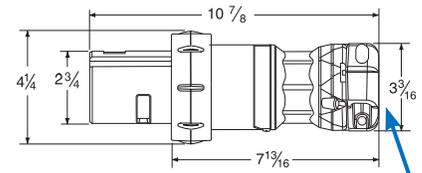


Feed through style shown

Receptacle

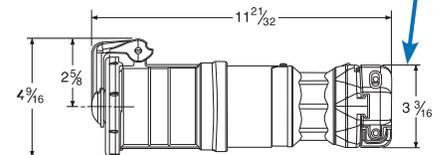


Plug



VersaMate® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two – requiring additional sizing decisions).

Connector



RECEPTACLES

VERSAMATE® SERIES



200A SELECTION INFORMATION



**ALLEN
TERMINALS**

Plug

Connector



E

C

Receptacle

• 200 Amp 600VAC/250VDC; 50-400 Hertz
NEMA 3, 4, 4X^①

Wire Range

Regular Stranding: #1 - 250

(Includes Type P marine)

Extra flex: #1 - 250 (.653 max conductor diameter)

UL File No. E10757 IEC Certified File No. LR111846

FEATURES-SPECIFICATIONS

200 AMP PLUGS & CONNECTORS				
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	3W3P	1.0 - 2.5 IN	VP203512	VPR203112
	4W4P	1.0 - 2.5 IN	VP204513	VPR204113
Style II	2W3P	1.0 - 2.5 IN	VP203612	VPR203212
	3W4P	1.0 - 2.5 IN	VP204612	VPR204212

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S39 ^⑤	Reverse service for receptacles, plugs & connectors
S37	Polarization for receptacles, plugs & connectors

* See page PR3 for more information on these options.

200 AMP RECEPTACLES & BACK BOXES				
GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E ^② TYPE DEAD END	C ^② TYPE FEED THRU	RECEPTACLE ONLY
Style I	3W3P	VR20312E6	VR20312C7	VR20312
	4W4P	VR20412E6	VR20412C7	VR20412
Style II	2W3P	VR20322E6	VR20322C7	VR20322
	3W4P	VR20422E6	VR20422C7	VR20422
Splice box only w/ adapter ^③		VJ78	VJC78	Angle adapter only VJA200

① Components are intermateable & UL classified with Appleton® Powertite® or Crouse-Hinds® Arktite® devices (when installed in accordance with instructions furnished with device. Assemblies containing components from other manufacturers would have the NEMA type rating of the lowest rated device.

② 200 Amp dead-end Back Boxes are available in sizes 1-1/2", 2" & 2-1/2" conduit sizes. Dead-end box shown is 2". For other available dead-end box sizes, change the BOLD "6" in either the dead-end assembly or box only number as follows: **5**=1-1/2", **6**=2", **7**=2-1/2". Feed through boxes are available in 2-1/2"; use "R" series adapters as required for smaller sizes (sold separately). Assembly catalog numbers are listed for ease of ordering or specification and devices are shipped as components.

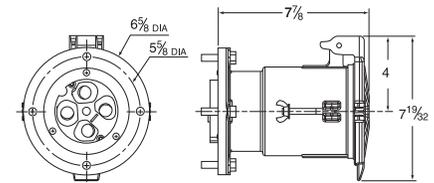
③ Adapter-only can be used to attach receptacle at an angle to a standard sheet metal box.

④ Dimensions in () are 3 pole devices; balance are 4 pole.

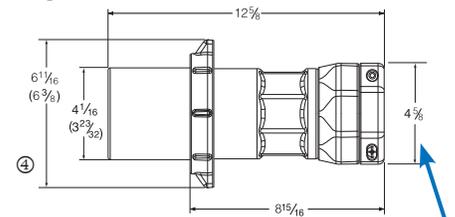
⑤ 200A 3W4P Reverse Service configured "W" Series and VersaMate® are not intermateable. However, the VersaMate VR20422-S39 receptacle ships with instructions to permanently convert for use with existing PW-6402X SU39 plugs. Factory only configured plugs to fit old RW64C-SU39 receptacles may be ordered as VP-PW64026 SU39.

NOTE: 200A VersaMate receptacle lids secure with wingnuts for N4X environments when not in use. VersaMate plugs secure with wingnuts and/or lock-ring collar. This exclusive dual method allows retention of competitive plugs that use either wingnuts or a lock-ring collar.

Receptacle

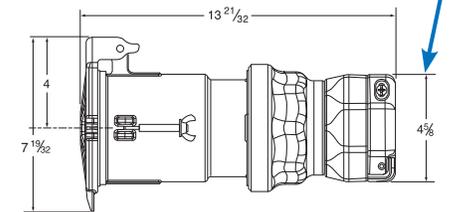


Plug

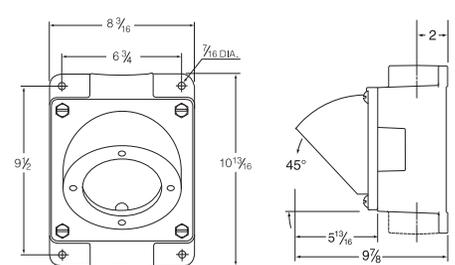


VersaMate® clamps provide a firm fit for one plug (or connector) over a wide range of cable diameters (competitors often need two - requiring additional sizing decisions).

Connector



Back Box Dimensions



VJC



VSQ SWITCHED RECEPTACLES



Plug

- VSQ Hazardous Location Ratings
Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones I & 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B, C, D), 9 (F, G)
- VWSQ for Wet & Corrosive Locations
NEMA 3, 4, 4X

Wire Range

30 Amp Regular Stranding Max #10
60 Amp Regular Stranding Max #4

VSQ File No. LR14667

VWSQ File No. E216488

FEATURES-SPECIFICATIONS

Features

- N4X with receptacle lid turned shut or with plug locking ring tightened
- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish. Handle mechanism is chemical resistant Valox® (TM General Electric).
- Compact size and footprint
- Plug Interlock Mechanism for Dead-front construction. Switch cannot be turned "ON" without fully inserted plug. Plug cannot be removed with switch in "ON" position
- Plug held in place when switch is "Off" for convenience. Pull operated release mechanism. Plug and wiring do not have to be twisted or held to operate switch
- Factory Wired Receptacle; easy to wire line side of switch
- Easily visible "On-Off" indicator handle
- "Off" position is padlockable for maintenance safety
- Auxiliary Contact (late-make early-break) contact rated 10 Amp, 1/3 HP at 125/250 VAC. Can be used for operating pilot lights or starter coils (standard model only)

- Feed-through construction
- Horsepower Rated
- Internal switch horsepower rated as "motor disconnect"

HORSEPOWER RATINGS (VAC)①		120	240	480	600
30A	1Ø	2	5	10	15
	3Ø	3	7.5	15	20
60A	1Ø	-	10	15	20
	3Ø	-	10	25	30

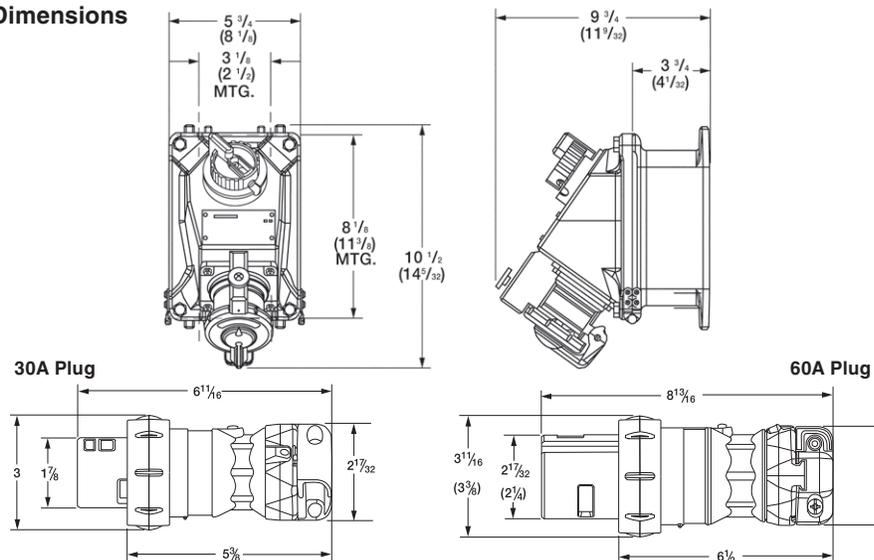
VSQ & VWSQ RECEPTACLES					
AMPS	CIRCUIT	CATALOG NUMBER			
		VSQ HAZARDOUS	VWSQ N4X ONLY	PLUG ORIG.	PLUG AT
30	2W3P	VSQ3023	VWSQ3023	VP3385	VP3023
	3W4P	VSQ3034	VWSQ3034	VP3485	VP3034
60	2W3P	VSQ6023	VWSQ6023	VP6385	VP6023
	3W4P	VSQ6034	VWSQ6034	VP6485	VP6034

NOTES: VSQ/VWSQ 30 Amp models come standard with 1" drilled and tapped conduit openings top and bottom plus two 1" x 3/4" reducers and one 3/4" close-up plug for maximum flexibility. 60 amp models come with 1-1/2" openings top and bottom and one 1-1/2" close-up plug.

VSQ & VWSQ Receptacle covers are NOT interchangeable.

① Refers to internal switch only.

Dimensions



Dimensions shown are in inches for 30 AMP; 60 Amp dimensions in ().

NOTES: Devices have adjustable ductile lugs (vertical or side) for attachment to uneven surfaces. Ordinary twist type wire connectors are used for final connections on 30A. 60A devices have terminal blocks.

MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S37	Polarization for receptacles, plugs

* See page PR3 for more information on this option

VersaMate VSQ & VWSQ Receptacles use VersaMate Style II plugs and are compatible with appropriately configured Crouse-Hinds® Arkrite® or Appleton® Powertite® plugs (when installed in accordance with instructions furnished with device)

Arkrite® is a registered trademark of Crouse-Hinds®. Powertite® is a registered trademark of Appleton®.

RECEPTACLES

VERSAMATE® SERIES



VSQ - FS FACTORY SEALED



Class I, Div. 1 & 2, Groups B, C, D
 Class I, Zones 1 & 2, Groups IIB+H₂, IIA
 Class II, Div. 1 & 2, Groups F & G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D), 9 (F, G)

Certified File No. LR14667

Wire Range

30 Amp Regular Stranding Max #10
 60 Amp Regular Stranding Max #4

FEATURES-SPECIFICATIONS

Features – same as VSQ ① plus:

- Factory Sealed Construction eliminates need for conduit sealing at the device
- Saves Installation Time & Labor – facilitates rework
- Switch has factory wired line and load terminals. Load terminals feed sealed receptacle as in a standard VSQ. Line wiring is passed from the sealed compartment into the **wiring chamber**
- Receptacles may be loosened from back box and turned 180 degrees to adjust for top or bottom feed.
- Ordinary twist type wire connectors are used for final connections on 30A. 60A devices have terminal blocks

VSQ - FS RECEPTACLES				
AMPS	CIRCUIT	CATALOG NUMBER		
		VSQ-FS HAZARDOUS	PLUG ORIG.	PLUG AT
30	2W3P	VSQ3023FS	VP3385	VP3023
30	3W4P	VSQ3034FS	VP3485	VP3034
60	2W3P	VSQ6023FS	VP6385	VP6023
60	3W4P	VSQ6034FS	VP6485	VP6034

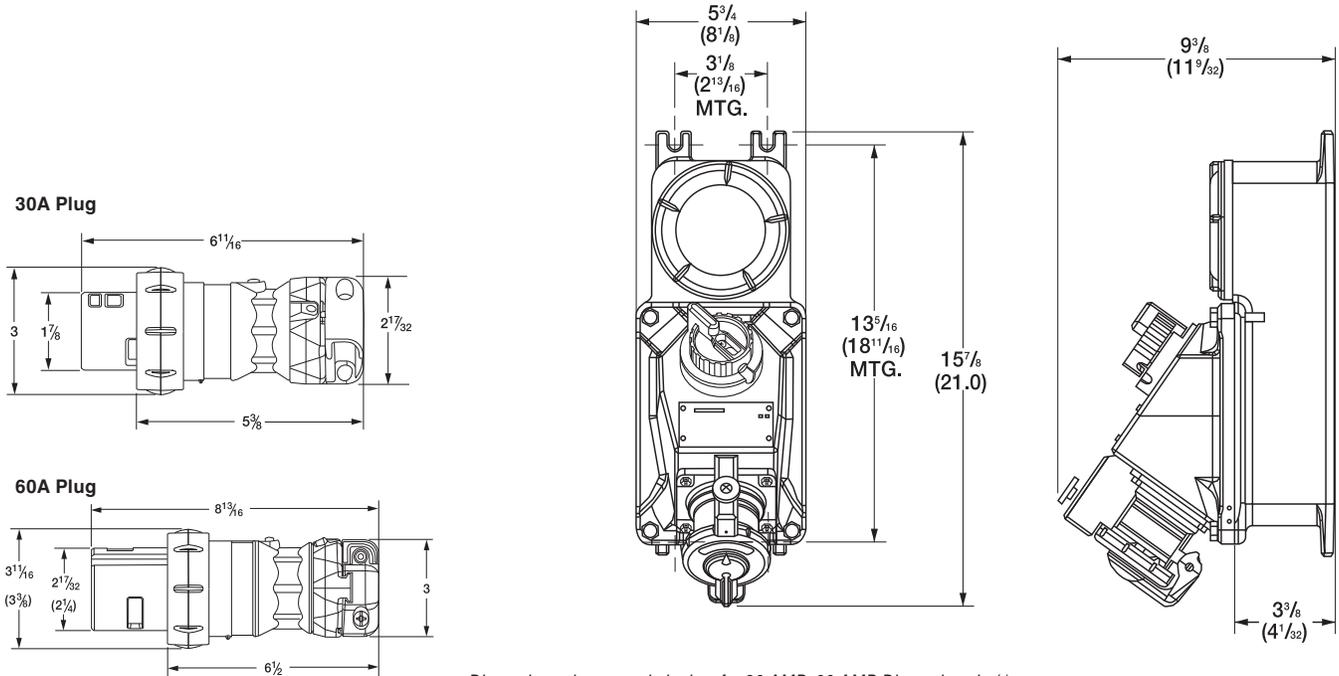
MODIFICATIONS*	
CATALOG NUMBER	DESCRIPTION
S37	Polarization for receptacles & plugs

NOTES: VSQ-FS 30 Amp models come standard with one 1" drilled and tapped conduit openings into the wiring chamber plus one 1" x 3/4" reducer. 60 amp models come with one 1" opening.

① VSQ-FS models do not have auxiliary contacts.

* See page PR3 for more information on this option.

Dimensions



Dimensions shown are in inches for 30 AMP. 60 AMP Dimensions in ().



VBQ BREAKER PROTECTED



Receptacle assembly is field replaceable for maintenance.

Ordering information listed in the instruction sheets provided with the product.

Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones I & 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B, C, D), 9 (F, G)



FEATURES-SPECIFICATIONS

Features

Receptacle:

- N4X with receptacle lid turned shut or with plug locking ring tightened
- Plug held in place when switch is "Off" for convenience. Pull button operated release mechanism. Plug does not have to be twisted to operate switch
- Dead-front construction when receptacle is off. Switch cannot be turned "ON" without fully inserted plug. Plug cannot be removed with switch in "ON" position
- Wire Connections do not bend when opening and closing door – minimizes loosening during installation or maintenance procedures
- For ground fault option, contact factory

VersaMate VBQ Receptacles use VersaMate Style II plugs found on 30, 60 and 100 amp pages and are compatible with appropriately configured Crouse-Hinds® Arktite® or Appleton® Powertite® plugs (when installed in accordance with instructions furnished with device). Arktite® is a registered trademark of Crouse-Hinds®. Powertite® is a registered trademark of Appleton®.

Replacement Parts:

- Enclosure gasket VBQ-535
- External circuit breaker handle kit CBHK-100H

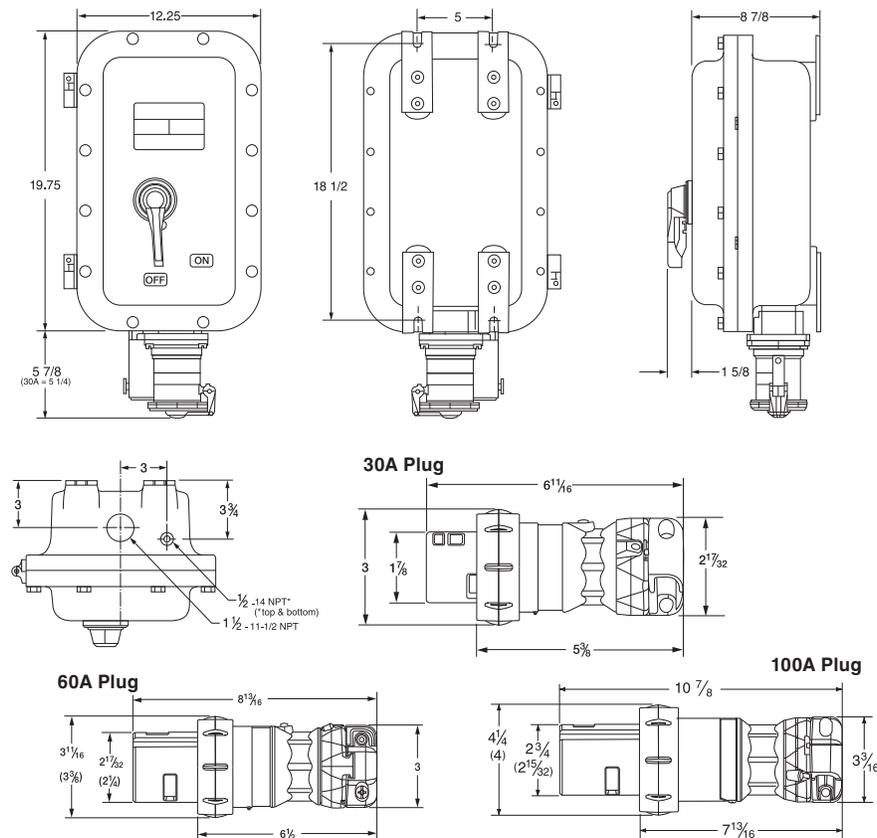
See instruction sheet included with device for other available replacement parts.

Enclosure:

- Spacious wiring room. Meets the latest NEC wire bending requirements for circuit breaker enclosures
- Ductile Mounting Lugs to adjust to uneven surfaces
- Copper-free construction with 316 grade Stainless Steel External Hardware
- Quick Release Cover Bolts with Triple Leads – only 3-1/2 turns to disengage

- Recessed Flange Notches – Allows easier cover opening with prying instrument without flange damage
- Electrostatically applied polyester/epoxy finish
- Visible "ON" external Breaker Handle has provisions for locking "ON" or "OFF" with up to three Padlocks
- Internal Lock-Off provision for maintenance when no hazardous materials are present

Dimensions



RECEPTACLES

VERSAMATE® SERIES



VBQ BREAKER PROTECTED



Internal Lock-Off provision for maintenance when no hazardous materials are present

Class I, Div. 1 & 2, Groups B, C, D
 Class I, Zones I & 2, Groups IIB+H₂, IIA
 Class II, Div. 1 & 2, Groups F & G
 Class III
 NEMA 3, 4, 4X, 7 (B, C, D), 9 (F, G)

UL cUL File No. E184637

FEATURES-SPECIFICATIONS

VBQ RECEPTACLES								
RECEPTACLE	CIRCUIT	BREAKER	CATALOG NUMBER				PLUG	
			SQUARE D FAL/HDL SERIES	SQUARE D FHL/HGL SERIES	CUTLER-HAMMER EHD SERIES	CUTLER-HAMMER FD SERIES	ORIG.	AT
30	2W3P	20	VBQ3023SN20	VBQ3023SH20	VBQ3023CN20	VBQ3023CH20	VP3385	VP3023
		30	VBQ3023SN30	VBQ3023SH30	VBQ3023CN30	VBQ3023CH30		
		40	VBQ3023SN40	VBQ3023SH40	VBQ3023CN40	VBQ3023CH40		
		50	VBQ3023SN50	VBQ3023SH50	VBQ3023CN50	VBQ3023CH50		
	3W4P	20	VBQ3034SN20	VBQ3034SH20	VBQ3034CN20	VBQ3034CH20	VP3485	VP3034
		30	VBQ3034SN30	VBQ3034SH30	VBQ3034CN30	VBQ3034CH30		
		40	VBQ3034SN40	VBQ3034SH40	VBQ3034CN40	VBQ3034CH40		
		50	VBQ3034SN50	VBQ3034SH50	VBQ3034CN50	VBQ3034CH50		
60	2W3P	50	VBQ6023SN50	VBQ6023SH50	VBQ6023CN50	VBQ6023CH50	VP6385	VP6023
		60	VBQ6023SN60	VBQ6023SH60	VBQ6023CN60	VBQ6023CH60		
		70	VBQ6023SN70	VBQ6023SH70	VBQ6023CN70	VBQ6023CH70		
		90	VBQ6023SN90	VBQ6023SH90	VBQ6023CN90	VBQ6023CH90		
		100	VBQ6023SN100	VBQ6023SH100	VBQ6023CN100	VBQ6023CH100		
	3W4P	50	VBQ6034SN50	VBQ6034SH50	VBQ6034CN50	VBQ6034CH50	VP6485	VP6034
		60	VBQ6034SN60	VBQ6034SH60	VBQ6034CN60	VBQ6034CH60		
		70	VBQ6034SN70	VBQ6034SH70	VBQ6034CN70	VBQ6034CH70		
		90	VBQ6034SN90	VBQ6034SH90	VBQ6034CN90	VBQ6034CH90		
		100	VBQ6034SN100	VBQ6034SH100	VBQ6034CN100	VBQ6034CH100		
100	2W3P	50	VBQ1023SN50	VBQ1023SH50	VBQ1023CN50	VBQ1023CH50	VP10387	VP1023
		70	VBQ1023SN70	VBQ1023SH70	VBQ1023CN70	VBQ1023CH70		
		90	VBQ1023SN90	VBQ1023SH90	VBQ1023CN90	VBQ1023CH90		
		100	VBQ1023SN100	VBQ1023SH100	VBQ1023CN100	VBQ1023CH100		
	3W4P	50	VBQ1034SN50	VBQ1034SH50	VBQ1034CN50	VBQ1034CH50	VP10487	VP1034
		70	VBQ1034SN70	VBQ1034SH70	VBQ1034CN70	VBQ1034CH70		
		90	VBQ1034SN90	VBQ1034SH90	VBQ1034CN90	VBQ1034CH90		
		100	VBQ1034SN100	VBQ1034SH100	VBQ1034CN100	VBQ1034CH100		

CIRCUIT BREAKER INTERRUPTING RATINGS	208/240 VAC	480 VAC	600 VAC	250 VDC†
Square D FAL	25,000	18,000	—	10,000
Square D HDL	25,000	18,000	14,000	20,000
Square D FHL	65,000	25,000	18,000	10,000
Square D HGL	65,000	35,000	18,000	20,000
Cutler-Hammer EHD	18,000	14,000	—	10,000
Cutler-Hammer FD	65,000	25,000	18,000	10,000

Consult Breaker Manufacturer literature for Horsepower Ratings.
 † DC ratings apply to substantially non-inductive circuits.

CIRCUIT BREAKER	WIRE RANGE
Square D	To 30 Amp #14-4 cu.; 35-100 Amp #14-1/0 cu.
Cutler-Hammer	To 20 Amp #14-10 cu.; 30-100 Amp #14-1/0 cu.

MODIFICATIONS [Ⓢ]	
CATALOG NUMBER	DESCRIPTION
S37	Polarization for receptacles & plugs
SU10	Drain
SU11	Breather
SU3	Drain and Breather (CSA Groups C & D)

Ⓢ See page PR3 and price sheet for more information on these options.

Contact factory for VBQ with ground fault option

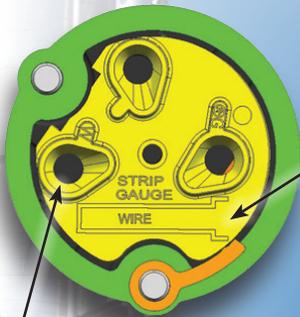


KILLARK

EXCLUSIVE QUICK WIRING PLUG

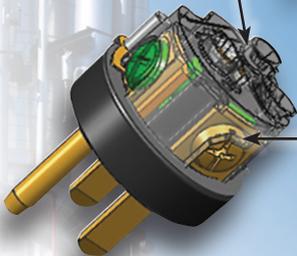


UGPQW Plug



Built-in wire strip gauge

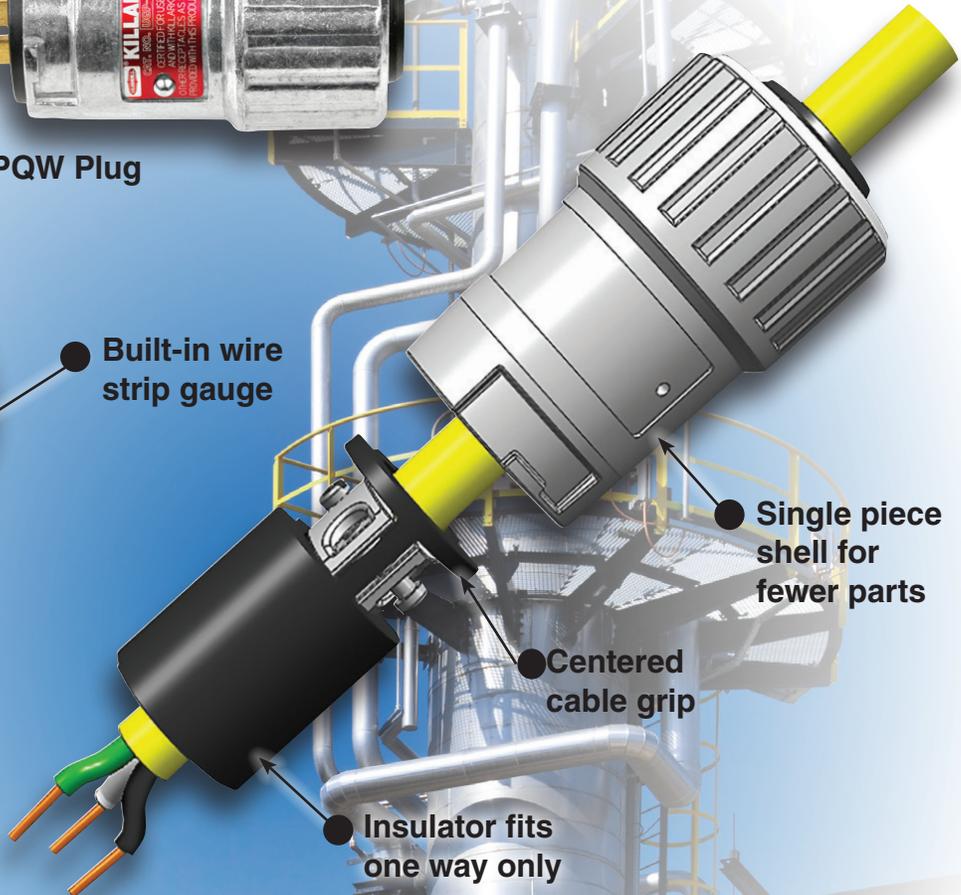
Wire guides enables easy conductor installation



Side tightening terminals use full sized #2 screwdriver (either flat or Phillips)



Old style insulator requires miniature screwdriver



Single piece shell for fewer parts

Centered cable grip

Insulator fits one way only



RECEPTACLES

ACCEPTOR® SERIES



UGR / UGP BLADED RECEPTACLES



UGR Receptacle



UGPQW Plug



Class I, Div. 1 & 2, Groups B[Ⓢ], C, D
Class I, Zones 1 & 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups F, G
Class III
NEMA 3, 7 (B, C, D), 9 (F, G)

UL LISTED File No. E91049 and/or E53660

SP Certified File No. LR14667

Wire Size

Suitable for 14-10 guage SOOW or similar cable

FEATURES-SPECIFICATIONS

ACCEPTOR®

The ACCEPTOR® UGP/UGR Plug and Receptacle system, with its unique, patented design, is interchangeable^① with other NEMA bladed type explosion-proof and dust ignition proof devices. The series has been tested and classified for use with Crouse-Hinds® Ark-Gard®2 and Appleton® U-Line® plugs and receptacles in hazardous locations. ^① **Now available in GFCI versions. See pages PR20-PR21**

How The Acceptor System Works

ACCEPTOR receptacles contain an integral switch which must be closed to energize the circuit. The design permits only an approved plug to be energized. To actuate the switch, the plug must be inserted and rotated clockwise approximately 45°. The plug will lock into this position preventing accidental disengagement. To remove, simply push in then turn the plug counterclockwise and pull straight out.

Plugs and receptacles may be used where interchangeable bladed devices are needed in locations made hazardous by the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers and flyings.

Plug can serve to provide power for portable equipment used in both hazardous and non-hazardous areas.

Applications

- Petroleum Refineries, Chemical Plants
- Wet/Damp/Corrosive Areas
- Grain Elevators/Feed Mills

^① Exact models classified for interchangeability are listed in the information sheet provided with the products. Ark-Gard® is a registered trademark of Crouse-Hinds®. U-Line® is a registered trademark of Appleton Electric Company®.

^② Plugs Rated Group B when used with properly rated & installed receptacles. See next page.

Features

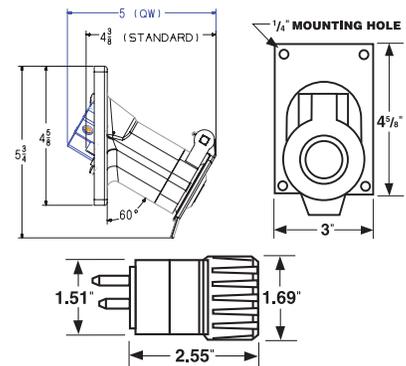
- All external hardware is 316 stainless steel to provide low maintenance and long life
- Factory sealed chamber in UGR receptacle contains switch's arcing components
- No additional external seals are required, except in Group B applications

Quick Wiring Plug

- Single piece shell for fewer parts
- Transparent wiring entrance holes for easy conductor insertion
- Screws tighten from side with "full sized" screwdriver (slot/Phillips)
- Insulator fits "one way"
- Centered cable grip



- Receptacles are U.L. Listed as raintight. Proper sealing against moisture is assured
- Spring loaded receptacle cover closes when plug is removed to provide protection when not in use
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked powder epoxy/polyester finish



PLUG

ACCEPTOR® plugs conform to NEMA configurations and can be used with standard receptacles in non-hazardous areas to maximize equipment utilization. The system's "turn to engage" feature locks in

plug and can be used to prevent accidental disengagement of critical equipment.

Plugs for use with type S, SO, ST or STO heavy duty cord.

VOLTAGE	NEMA CONFIGURATION	CATALOG NUMBER	
		15 AMP PLUG W/QUICK WIRING*	20 AMP PLUG W/QUICK WIRING*
125VAC	 5-15P	UGP-15231QW	UGP-20231QW
250VAC	 6-15P	UGP-15232QW	UGP-20232QW

*For Old Style plug remove QW from Catalog Number



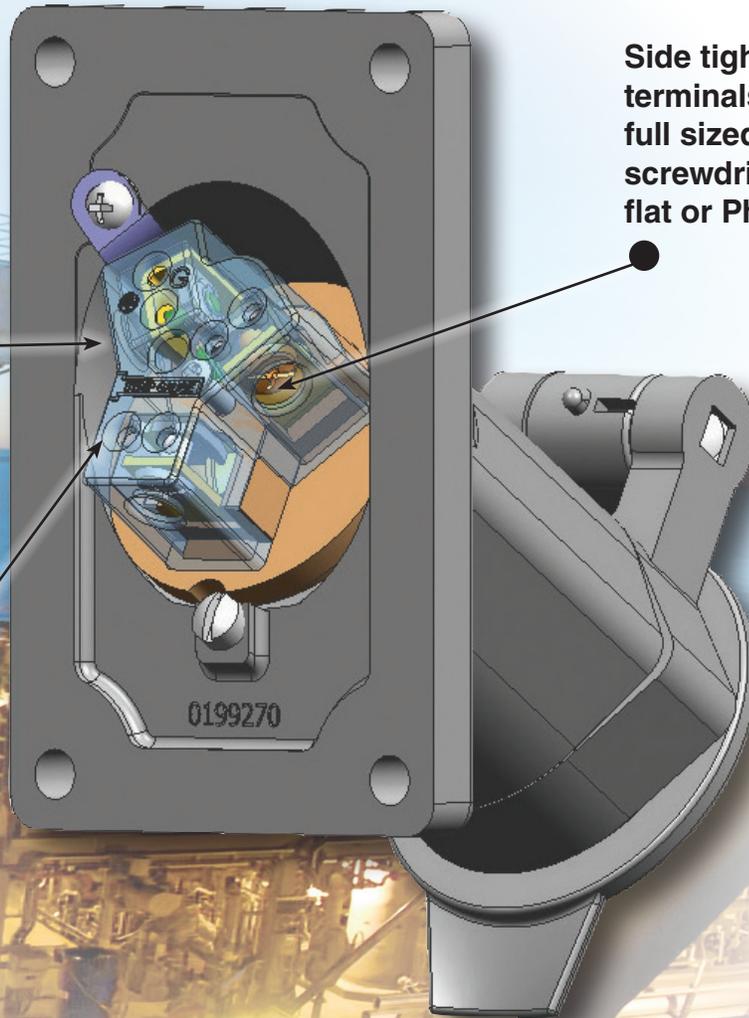
EXCLUSIVE QUICK WIRING RECEPTACLE

One or two conductors per phase

2nd conductor set feeds next receptacle in circuit

Wire Guides enable easy conductor insertion

Side tightening terminals use full sized #2 screwdriver (either flat or Phillips)



Old Style Terminals

- Recessed – Difficult to attach conductors
- Conductor must be curled – Full engagement uncertain
- Flat Screwdriver only
- Designed for one conductor – required jumper or “double wiring”

RECEPTACLES

ACCEPTOR® SERIES



UGRO QUICK WIRING SELECTION INFORMATION



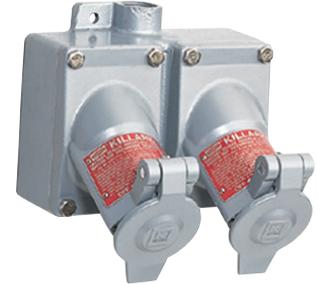
SWB-1, 2, 3



SWB-4, 5, 6

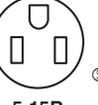


Single Gang



Double Gang

FEATURES-SPECIFICATIONS

RECEPTACLES AND ASSEMBLIES ^④					
NEMA RATING & CONFIGURATION	ENCLOSURE STYLE	HUB SIZE	SINGLE GANG ^{③④} GROUPS C, D, F, & G*	DOUBLE GANG ^{③④} GROUPS C, D, F, & G*	SINGLE GANG ^{①②} GROUPS B, C, D, F & G*
20 Amp 125 Volt 2 POLE 3 WIRE  5-20R	RECEPTACLE ONLY	—	UGR0-20231QW	UGR0-20231QW	—
	DEAD END	1/2"	UGR1-20231QW	UGR7-20231QW	UGRB1-20231QW
		3/4"	UGR2-20231QW	UGR8-20231QW	UGRB2-20231QW
		1"	UGR3-20231QW	UGR9-20231QW	UGRB3-20231QW
	FEED-THRU	1/2"	UGR4-20231QW	UGR10-20231QW	UGRB4-20231QW
		3/4"	UGR5-20231QW	UGR11-20231QW	UGRB5-20231QW
1"		UGR6-20231QW	UGR12-20231QW	UGRB6-20231QW	
15 Amp 125 Volt 2 POLE 3 WIRE  5-15R	RECEPTACLE ONLY	—	UGR0C-15231QW	UGR0C-15231QW	—
	DEAD END	1/2"	UGR1C-15231QW	UGR7C-15231QW	UGRB1C-15231QW
		3/4"	UGR2C-15231QW	UGR8C-15231QW	UGRB2C-15231QW
		1"	UGR3C-15231QW	UGR9C-15231QW	UGRB3C-15231QW
	FEED-THRU	1/2"	UGR4C-15231QW	UGR10C-15231QW	UGRB4C-15231QW
		3/4"	UGR5C-15231QW	UGR11C-15231QW	UGRB5C-15231QW
1"		UGR6C-15231QW	UGR12C-15231QW	UGRB6C-15231QW	
20 Amp 250 Volt 2 POLE 3 WIRE  6-20R	RECEPTACLE ONLY	—	UGR0-20232QW	UGR0-20232QW	—
	DEAD END	1/2"	UGR1-20232QW	UGR7-20232QW	UGRB1-20232QW
		3/4"	UGR2-20232QW	UGR8-20232QW	UGRB2-20232QW
		1"	UGR3-20232QW	UGR9-20232QW	UGRB3-20232QW
	FEED-THRU	1/2"	UGR4-20232QW	UGR10-20232QW	UGRB4-20232QW
		3/4"	UGR5-20232QW	UGR11-20232QW	UGRB5-20232QW
1"		UGR6-20232QW	UGR12-20232QW	UGRB6-20232QW	
15 Amp 250 Volt 2 POLE 3 WIRE  6-15R	RECEPTACLE ONLY	—	UGR0C-15232QW	UGR0C-15232QW	—
	DEAD END	1/2"	UGR1C-15232QW	UGR7C-15232QW	UGRB1C-15232QW
		3/4"	UGR2C-15232QW	UGR8C-15232QW	UGRB2C-15232QW
		1"	UGR3C-15232QW	UGR9C-15232QW	UGRB3C-15232QW
	FEED-THRU	1/2"	UGR4C-15232QW	UGR10C-15232QW	UGRB4C-15232QW
		3/4"	UGR5C-15232QW	UGR11C-15232QW	UGRB5C-15232QW
1"		UGR6C-15232QW	UGR12C-15232QW	UGRB6C-15232QW	

① Items in this column are suitable for Class I, Group B in addition to Class I, Groups C, D. Also suitable for Class I, Zone 1, Groups IIB+H₂, IIA.

② Seals must be installed within 6 inches of conduit opening.

③ Items in this column may also be used in Class I, Zone 1, Groups IIB, IIA. Assembly numbers not rated for Group B are shipped as receptacle & back box components.

④ Refer to Killark full-line catalog Section C for additional SWB Series Back Box configurations.

⑤ U.S. and Canadian Codes allow "T" combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.

NOTE: For replacement receptacle cover and hinge, order KIT-173. For dimension see PR15.

* For Old Style plug remove QW from Catalog Number



UGRC CONNECTORS



Connector with Breech-Lock Cap

“3rd Hand” Plug Operation

Class I, Div. 1 & 2, Groups B, C, D^①
 Class I, Zones 1 & 2, Groups IIB+H₂, IIA^①
 Class II, Div. 1 & 2, Groups F, G^②
 Class III
 NEMA 3, 4X*

Certified File No. LR14667 ^①
 Certified File No. LR14667 ^①

Wire Size

Suitable for 14-10 guage SOOW or similar cable

FEATURES-SPECIFICATIONS

ACCEPTOR®

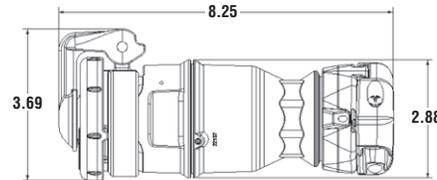
CONNECTORS

The ACCEPTOR® UGRC Connector complements UGP/UGR Plugs and Receptacles, as well as Ground Fault Protected UGFI and UGRGF Models. Used with Acceptor plugs, connectors can extend the reach for hazardous location rated portable equipment such as hand lamps. Connectors eliminate the need for user-created corded box mounted receptacles. UGRC Connectors are interchangeable and classified for use with other NEMA bladed type explosion-proof and dust ignition proof plugs, including Crouse-Hinds® Ark-Gard®2 and Appleton® ULine®.

Industrial Applications

- Petroleum Refineries
- Chemical/Petrochemical Plants
- Oil Rigs & Platforms
- Wet/Corrosive Environments
- Grain Elevators

Dimensions



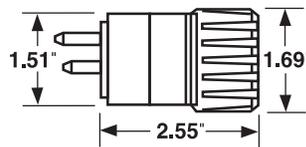
UGRC Connector
 Breech cap model shown, Flip cap model dimensions are similar



Connector shown with Acceptor UGRP receptacle mounted in explosion proof Quantum® enclosure

Features

- Available with the exclusive Breech-Lock Cap (see PR5 for more info) – patented notch provides “3rd hand” plug operation (holds lid open while one hand operates plug, and other holds connector).
- Factory Sealed Construction
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked powder epoxy/polyester finish
- Dead Front Construction with integral switch – requires Hazardous Rated NEMA Bladed plug for operation



UGP Plug



Flip Cap

NEMA CONFIGURATION	125V CONNECTOR CAP STYLE	CATALOG NUMBER****	WEATHER RATING
20 Amp 125 Volt 2 POLE 3 WIRE 5-20R with T-slots	Breech-Lock with Notch Flip Type	UGRC-20231BQW UGRC-20231FQW	N4X* N3**
	Killark 125V Plugs 20 Amp 15 Amp	UGP-20231QW UGP-15231QW	
250V CONNECTOR CAP STYLE			
20 Amp 250 Volt 2 POLE 3 WIRE 6-20R with T-slots	Breech-Lock with Notch Flip Type	UGRC-20232BQW UGRC-20232FQW	N4X* N3**
	Killark 250V Plugs 20 Amp 15 Amp	UGP-20232QW UGP-15232QW	

* Breech cap models N4X with lid closed and turned, N3 When Plug inserted Hinge Up (see page PR3)

** Flip Lid models N3 with hinge in UP position with or without plug

*** See PR15 for Plug NEMA Diagram and Dimensions

**** For Old Style plug remove QW from Catalog Number

Replacement Cap and Hinge Kits: Breech KIT-173B, Flip KIT-173

① CSA certified Class I Div.1 for Canada and/or other jurisdictions accepting CSA.

② cCSA_{us} Class II, Groups F & G for US and Canada.

③ U.S. and Canadian Codes allow “T” combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.

Ark-Gard® is a registered trademark of Crouse-Hinds®
 U-Line® is a registered trademark of Appleton Electric Company®

RECEPTACLES

ACCEPTOR® SERIES



UGRP PANEL RECEPTACLES



Breach Cap Model



Flip Cap



Typical Installation

Class I, Div. 1 & 2, Groups B, C, D^①
 Class I, Zones 1 & 2, Groups IIB+H₂, IIA
 Class II, Div. 1 & 2, Groups F, G
 Class III
 NEMA 3, 4X*

SP[®] US Certified File No. LR14667^②

Wire Size

Suitable for 14-10 gauge SOOW or similar cable

FEATURES-SPECIFICATIONS

ACCEPTOR®

PANEL RECEPTACLES

The ACCEPTOR® UGRP Panel Receptacle complements UGP/UGR Plugs and Receptacles, as well as Ground Fault Protected UGFI and UGRGF Models.

Used with Acceptor plugs, panel receptacles provide local power for hazardous location rated portable equipment such as hand lamps. Units are suitable for Class I Div. 1 or Class I Div.2 depending on the enclosure type used^①.

UGRP Panel Receptacles are interchangeable and classified for use with other NEMA bladed type explosion-proof and dust ignition proof plugs, including Crouse-Hinds® Ark-Gard®2 and Appleton® ULine®.

Features

- Available with the exclusive **Breach-Lock Cap** (see PR5 for more info) – patented notch provides “3rd hand” plug operation (holds lid open while one hand operates plug, and other holds connector).
- Factory Sealed Construction
- Copper-free aluminum (less than 4/10 of 1%) alloy resists corrosion
- Electrostatically applied and baked powder epoxy/polyester finish
- Dead Front Construction with integral switch – requires Hazardous Rated NEMA Bladed plug for operation

Ark-Gard® is a registered trademark of Crouse-Hinds®
 U-Line® is a registered trademark of Appleton Electric Company®

Industrial Applications

- Petroleum Refineries
- Chemical/Petrochemical Plants
- Oil Rigs & Platforms
- Wet/Corrosive Environments
- Grain Elevators

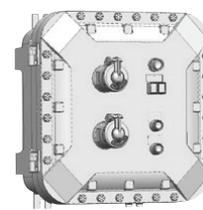
- UGRP Receptacles are available “Factory Installed” in the following series:
Enclosures
 » Series EXB, B7E
Distribution Equipment
 » Series D2L, B7L Lighting Panelboards
 • Contact factory for ordering information



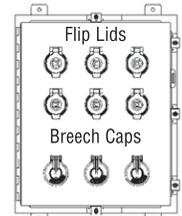
Breach Lid



Flip Cap

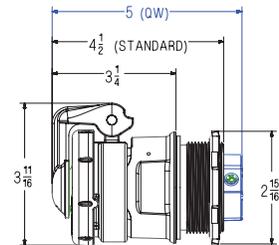


Typical CLI Div. 1 application



Typical CLI Div. 2 application 2-3/8" K.O.

Dimensions



Breach Cap model shown. Flip Cap model dimensions are similar

NEMA CONFIGURATION	125V PANEL RECEPTACLE CAP STYLE	CATALOG NUMBER****	WEATHER RATING
20 Amp 125 Volt 2 POLE 3 WIRE 5-20R with T-slots ^③	Breach-Lock with Notch Flip Type	UGRP-20231BQW UGRP-20231FQW	N4X* N3**
	Killark 125V Plugs 20 Amp 15 Amp	UGP-20231QW UGP-15231QW	
250V PANEL RECEPTACLE CAP STYLE			
20 Amp 250 Volt 2 POLE 3 WIRE 6-20R with T-slots ^③	Breach-Lock with Notch Flip Type	UGRP-20232BQW UGRP-20232FQW	N4X* N3**
	Killark 250V Plugs***	UGP-20232QW UGP-15232QW	

* Breach cap models N4X with lid closed and turned, N3 When Plug inserted Hinge Up
 ** Flip Lid models N3 with hinge in UP position with or without plug
 *** See PR15 for Plug NEMA Diagram and Dimensions
 **** For Old Style plug remove QW from Catalog Number
 Replacement Cap and Hinge Kits: Breach KIT-173B, Flip KIT-173
^① Class I Div.1 B,C,D in enclosures certified to 325 explosive PSI (2"-11½ NPSM threads). Class I Div. 2 in standard location enclosures using only non-arcing components.
^② CSA_{US} Certified for United States, Canada, and other jurisdictions accepting the mark.
^③ U.S. and Canadian Codes allow “T” combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.



UGRS / UGRGF RECEPTACLES



Breach Cap Model

Flip Cap

Class I, Div. 2, Groups B, C, D
Class I, Zone 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups F, G
Class III
NEMA 3, 4X

Certified File No. LR14667③



UGRGF

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, Groups IIB, IIA
Class II, Div. 1 & 2, Groups F, G
Class III
NEMA 3, 7 (C, D) 9 (F, G)

Certified LR11714
 See files for details or call Killark.

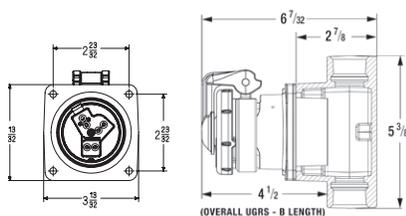
FEATURES-SPECIFICATIONS

ACCEPTOR®

SQUARE RECEPTACLE

UGRS Receptacles utilize VERSAMATE® 30A mounting boxes and are designed to provide **“ROTATABLE” design enables cover hinge location to be in most convenient position for application.** May also be utilized with sheet metal enclosures which contain no arcing devices.

Dimensions



UGRS RECEPTACLE MTG DIMENSIONS
 UGRS - B ON VRC BOX
Breach Cap model shown.
 Flip Cap model dimensions are similar

GFI PROTECTED RECEPTACLE

Utilizes FXS GFI and ACCEPTOR® receptacle to interrupt a circuit, when a ground fault is detected on equipment which may be handled by personnel in hazardous locations.

Features

- Factory Sealed
- Test and Reset push buttons are provided on cover assembly, with optional pilot light available④ Unit should be tested monthly
- Includes new GFCI to meet latest UL943 GFCI standards revisions
- Exterior gasket provides NEMA 3 weatherproof protection
- Ground boss for grounding in the splice box
- Color coded wiring and stainless steel cover bolts
- Receptacle used is UGR0-20231QW. See page PR15

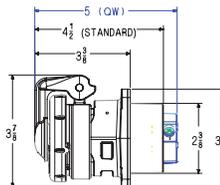
NEMA CONFIGURATION	125V SQUARE RECEPTACLE CAP STYLE	CATALOG NUMBER****
20 Amp 125 Volt 2 POLE 3 WIRE 5-20R with T-slots	Breach-Lock with Notch* Flip Lid Type**	UGRS-20231BQW UGRS-20231FQW
	Killark 125V Plugs*** 20 Amp 15 Amp	UGP-20231QW UGP-15231QW
250V SQUARE RECEPTACLE CAP STYLE		
20 Amp 250 Volt 2 POLE 3 WIRE 6-20R with T-slots	Breach-Lock with Notch* Flip Lid Type**	UGRS-20232BQW UGRS-20232FQW
	Killark 250V Plugs*** 20 Amp 15 Amp	UGP-20232QW UGP-15232QW

* Breach cap models N4X with lid closed and turned, N3 When Plug inserted Hinge Up

** Flip Lid models N3 with hinge in UP position with or without plug

*** See PR15 for Plug NEMA Diagram and Dimensions

**** For Old Style plug remove QW from Catalog Number



NEMA RATING & CONFIGURATION	ENCLOSURE STYLE	HUB SIZE	CATALOG NUMBER
20A, 125V, 2P, 3W	Dead End	1/2"	UGRGF107
	Dead End	3/4"	UGRGF108
	Dead End	1"	UGRGF109
	Feed Thru	1/2"	UGRGF110
	Feed Thru	3/4"	UGRGF111
	Feed Thru	1"	UGRGF112

Electrical Rating

GFI units are rated at 20A, 120 VAC, 60Hz. Class A.

4-6 milliamp trip setting

Trip Time-UL Curve

④ For Red LED pilot light indicator of live circuit, add "-PL" to catalog number. Example – UGRGF107-PL.

UGRS RECEPTACLE & BACKBOXES①

	E TYPE DEAD END ②	C TYPE FEED THRU ②	D TYPE ANGLED FEED THRU ②	RECEPTACLE ONLY
20A 125V	UGRS-20231BE2QW	UGRS-20231BC2QW	UGRS-20231BD2QW	UGRS-20231BQW
20A 250V	UGRS-20232BE3QW	UGRS-20232BC3QW	UGRS-20232BD3QW	UGRS-20232BQW

① Receptacles listed are with Breach cap; for Flip Cover change B to F.

② Boxes listed are for 3/4"; for 1/2" change last digit to 1, for 1" change last digit to 3.

③ Certified for United States, Canada, and other jurisdictions accepting the mark.

④ U.S. and Canadian Codes allow "T" combination slot receptacles to be used with 15A or 20A plugs. Check breaker and wire feed size for proper application ratings.

RECEPTACLES

ACCEPTOR® SERIES



UGFI GROUND FAULT PROTECTOR

ACCEPTOR®



UL LISTED File No. E91049

CSA US Certified File No. LR14667

FEATURES-SPECIFICATIONS

Adapter Unit

- No need to permanently alter existing installations; **Portable Unit** can be temporarily hung using included strap near an existing receptacle wherever protection is required
- Factory Sealed Unit
- Acceptor® plug and cord set included with **Adapter Unit**. Cord is 36"

Hard-Wired Unit

- provides GFCI and circuit protection in new installations, or as an upgrade or replacement for non-GFCI receptacles
- Factory Sealed, except Group B

Adapter and Hard-Wired Unit

- GFCI device also provides circuit protection, for connected apparatus, against current overload and short circuits
- Acceptor® receptacles and plugs are interchangeable with both Crouse-Hinds® Ark-Gard® 2 and Appleton® U-Line® products
- Amber pilot light provides indication that the receptacle is energized.
- Units can be **Padlocked OFF** for maintained safety
- Fully gasketed GFCI compartment prevents moisture from damaging electronic components
- Same high quality materials as the standard ACCEPTOR®

- Hard-Wired assemblies in Group B areas require sealing within 6" of enclosure.
- 125VAC & 250 VAC devices are CCSAUS certified; 125VAC devices are also UL Listed.
- 2P 250V units are for 2 "hot line" applications and include 2P 5mA GFI breakers. 2P Units are for 120/240V or 120/208Y Grounded Power Supply Systems ONLY. **Do NOT use with Delta supply systems.**

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U-Line® is a registered trademark of Appleton Electric Company®.

- Adapter Unit**
Class I, Div. 2, Groups B, C, D
Class I, Zone 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups F, G
Class III, Div. 1 & 2
- Hard-Wired Unit**
Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups F, G
Class III, Div. 1 & 2

NEMA 3 ENCLOSURE TYPE
(Adapter or Hard-Wired units)

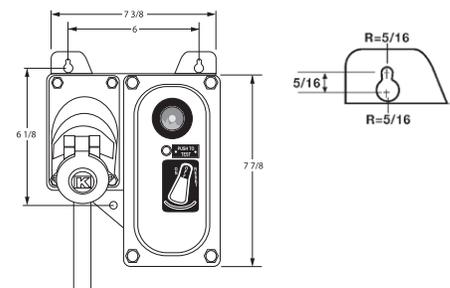
GFCI RECEPTACLE ADAPTER (W/CORD SET)

20A 125V ②	UGFI20AD	 5-20R
15A 125V ②	UGFI15AD	 5-15R
20A 250V ②③	UGFI202AD	 6-20R
15A 250V ②③	UGFI152AD	 6-15R

HARD WIRED (PERMANENTLY MOUNTED) GFCI RECEPTACLE

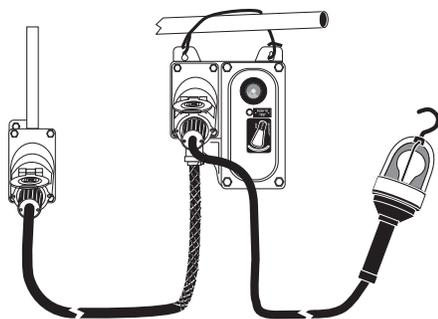
20A 125V ②	 5-20R	1/2" HUB 3/4" HUB 1" HUB	UGFI20C1 UGFI20C2 UGFI20C3
15A 125V ②	 5-15R	1/2" HUB 3/4" HUB 1" HUB	UGFI15C1 UGFI15C2 UGFI15C3
20A 250V ②③	 6-20R	1/2" HUB 3/4" HUB 1" HUB	UGFI202C1 UGFI202C2 UGFI202C3
15A 250V ②③	 6-15R	1/2" HUB 3/4" HUB 1" HUB	UGFI152C1 UGFI152C2 UGFI152C3

Hard-Wired Unit



The GFCI protected ACCEPTOR® is the solution to OSHA's requirements for GFCI protection when using portable equipment in hazardous and wet locations. For use with 125V, or 125/250V ③ 15 or 20 amp receptacles without GFCI protection, the **Adapter Unit** provides GFCI and circuit protection to connected apparatus by simply being plugged into an existing receptacle.

The **Hard-Wired Unit** provides the same protection and is used directly as a GFCI protected device. Units are feed-through with one close-up plug.



Typical Application with XHL Series Hand Lamp



HAZARDOUS LOCATION – DELAYED ACTION

UL LISTED E23572

CSA Certified LR14667

Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, IIB, IIA
NEMA 7 (C, D)

FEATURES-SPECIFICATIONS

Applications

KR Series plugs and receptacles are suitable:

- In hazardous locations due to the presence of flammable vapors or gases
- Where a heavy duty plug and receptacle is necessary
- Where a connection is required for portable or movable equipment such as tools, motors, hand lights, etc.
- KP series plugs use solder terminations for sure connection
- KR series receptacles use wire leads for termination

Features

- Factory sealed receptacles
- Copper free aluminum
- Straight or angle type receptacles
- Delayed action contacts (See Time Delay Inset)
- Plugs with a wide range of grommet openings
- Extra long grounding pole makes contact first and breaks contact last
- Heavy duty construction to withstand rough and constant usage

Selection

Refer to page headings for suitability of specific items. When selecting a Killark device consider the following:

- (A) Installation area (Hazardous or Weather-Resistant)
- (B) Amperage
- (C) Voltage
- (D) Electrical Rating (see below)
- (E) Grounding
- (G) Modifications (see right)
- (H) Mounting arrangement
- (I) Box and hub type
- (J) Cord diameter

① CSA approval on 20 Amp only.
UL for 20-60 AMP

Details of Safety Time Delay Feature

The key slot provided in the receptacle engages the key of the plug permitting entrance of the plug in the receptacle in only one position. See steps 1-4.

The contacts are enclosed in long accurate insulating cavities. It is in these cavities that the arcs are extinguished. All contacts are made through round tellurium copper tubing which is extra heavy to withstand arcing as required on the various ampere ratings.

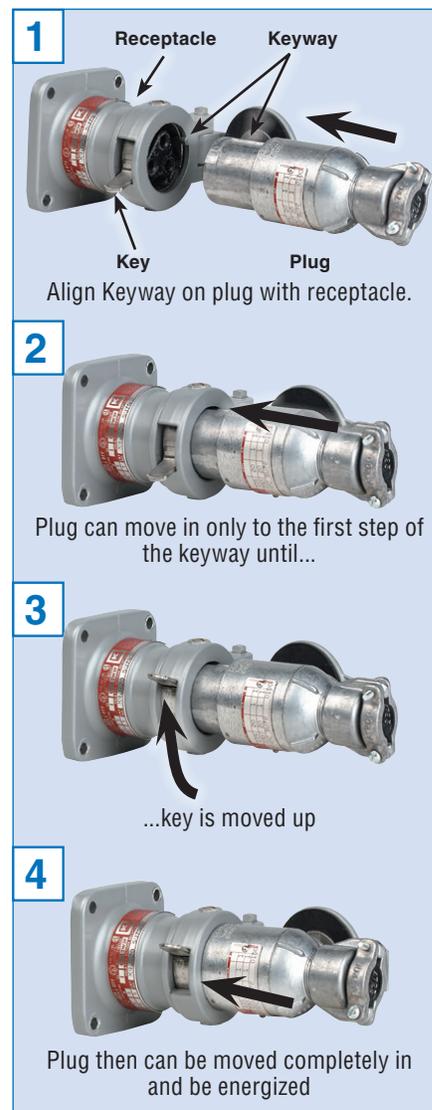
Both plugs and receptacles are equipped with an extra long grounding pole which establishes grounding before the power contacts are engaged. These grounding poles are also the last to break contact. This assures bonding of the portable device to the electrical conduit system.

Selection

Modifications are available by adding the following suffix (SU37 or SU38) to the catalog number and can be used to prevent mismatched voltage connections. (Note: It must be added to both the plug and the receptacle so they will mate.)

MODIFICATIONS	
CATALOG NUMBER	DESCRIPTION
SU37	Interior contact assemblies are to be rotated 22-1/2° to the right.
SU38	Interior contact assemblies are to be rotated 22-1/2° to the left.

Safety Time Delay Feature



ELECTRICAL RATINGS					
TYPE	AMPERAGE	VOLTAGE VAC	CIRCUIT	H.P.	HERTZ
⊙20 AMP	20	115/230	2W3P	1	60
30 AMP	7	460	2W3P	1/2	60
	7	460	3W4P	1	60
	30	115/230	2W3P	1-1/2	60
	30	115/230	3W4P	3	60
60 AMP	30	460	2W3P	3	60
	30	460	3W4P	5	60
	60	115/230	2W3P	5	60
	60	115/230	3W4P	5	60

RECEPTACLES

KR SERIES



20 AMP 115/230 V.A.C • 1Ø 2 WIRE, 3 POLE



KRS Series



KRA



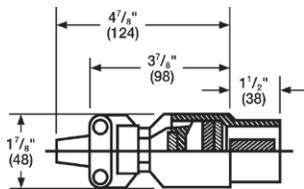
Plug

Class I, Div. 1 & 2, Groups C, D^①
Class I, Zones 1 & 2, IIB, IIA
NEMA 7 (C, D)

File No. E23572

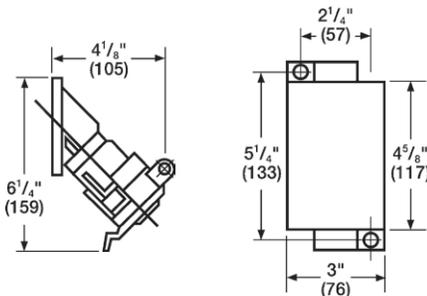
Certified File No. LR14667

FEATURES-SPECIFICATIONS



KP 20 AMP PLUG	
CATALOG NO.	DESCRIPTION
KP-20ABC	Plug furnished with 3 grommets range .250 - .625

See page PR22 for available polarization options.



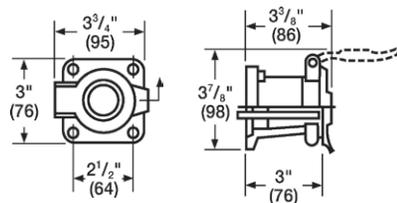
KRS-Series

KRS 20A 1Ø 2W RECEPTACLE WITH SWB BOX ^②								
HUB SIZE	CATALOG NUMBER							
	SINGLE RECEPTACLE & DEAD END BOX	BOX ONLY	SINGLE RECEPTACLE & FEED-THRU BOX	BOX ONLY	DOUBLE RECEPTACLE & DEAD END BOX	BOX ONLY	DOUBLE RECEPTACLE & FEED-THRU BOX	BOX ONLY
1/2"	KRS-215-120	SWB-1	KRS-218-120	SWB-4	2KRS-215-120	SWB-7	2KRS-218-120	SWB-10
3/4"	KRS-215-220	SWB-2	KRS-218-220	SWB-5	2KRS-215-220	SWB-8	2KRS-218-220	SWB-11
1"	KRS-215-320	SWB-3	KRS-218-320	SWB-6	2KRS-215-320	SWB-9	2KRS-218-320	SWB-12

RECEPTACLE ONLY – CATALOG NUMBER KRS-20

^① KRS Series receptacles - Class I, Group D.

^② SWB Series mounting splice boxes only for receptacles shown above listed in Section C of full-line catalog. See page PR22 for available polarization options.



KRJ-Series



AJC



JLC



JLX

ELECTRICAL RATING	
CIRCUIT	RATING (60 HERTZ)
1Ø 2W3P	20 AMPS, 115/230 V.A.C., 1 H.P

KRJ RECEPTACLE WITH AJ OR JL BOX			
HUB SIZE	CATALOG NUMBER		
	AJC	JLC	JLX
1/2"	—	KRJC-120	KRJX-120
3/4"	KRAJC-220	KRJC-220	KRJX-220
1"	KRAJC-320	—	—
BACK BOX ONLY			
1/2"	—	JLC-1	JLX-1
3/4"	AJC-2	JLC-2	JLX-2
1"	AJC-3	—	—

RECEPTACLE ONLY – CATALOG NUMBER KRJ-20

JL Series boxes shown in Section F of full-line catalog. Refer to page headings for suitability of specific items. See page PR22 for available polarization options.

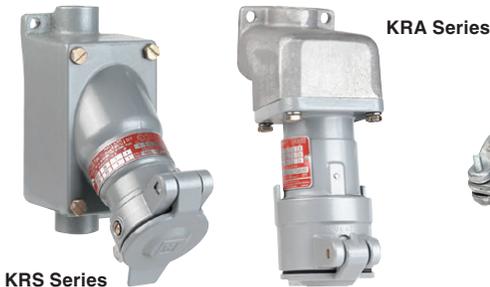


KR SERIES

KILLARK

30 AMP 115/230 V.A.C. • 7 AMP 460 V.A.C

KRS/KRJ Series Plug



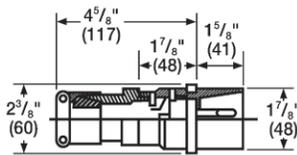
Class I, Div. 1 & 2, Groups C,D^①
 Class I, Zones 1 & 2, IIB, IIA
 NEMA 7 (C,D)

UL LISTED - File E23572
 See files for details or call Killark.

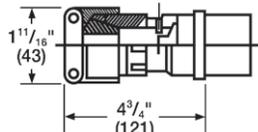
KRS Series

Plug

FEATURES-SPECIFICATIONS



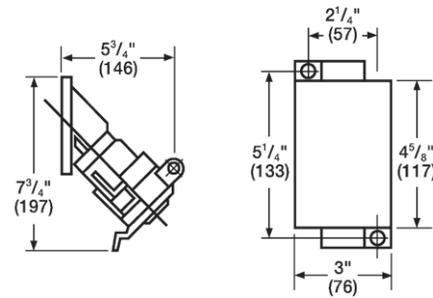
D Type



E Type

KP 30 AMP PLUG			
CATALOG NUMBER		PLUG TYPE	GROMMET RANGE
1Ø, 2-WIRE, 3-POLE	3Ø, 3-WIRE 4-POLE		
KP-303D23	KP-304D23	D	.375-.625
KP-303D45	KP-304D45	D	.625-.875
KP-303E45	KP-304E45	E	.875-1.125
KP-303E67	KP-304E67	E	1.125-1.375

See page PR22 for available polarization options.

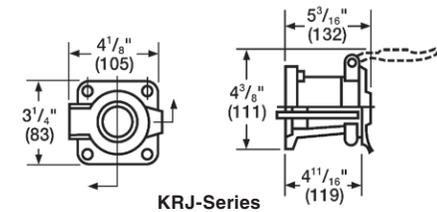


KRS-Series

KRS RECEPTACLE WITH SWB BOX ^②								
HUB SIZE	CATALOG NUMBER - SINGLE GANG ONLY							
	1Ø, 2-WIRE, 3-POLE DEAD END BOX	BOX ONLY	1Ø, 2-WIRE, 3-POLE FEED THRU BOX	BOX ONLY	3Ø, 3-WIRE, 4-POLE DEAD END BOX	BOX ONLY	3Ø, 3-WIRE, 4-POLE FEED THRU BOX	BOX ONLY
1/2"	KRS-215-1303	SWB-1	KRS-218-1303	SWB-4	KRS-215-1304	SWB-1	KRS-218-1304	SWB-4
3/4"	KRS-215-2303	SWB-2	KRS-218-2303	SWB-5	KRS-215-2304	SWB-2	KRS-218-2304	SWB-5
1"	KRS-215-3303	SWB-3	KRS-218-3303	SWB-6	KRS-215-3304	SWB-3	KRS-218-3304	SWB-6
RECEPTACLE ONLY	KRS-303				KRS-304			

^① KRS Series receptacles - Class I, Group D.

^② SWB Series mounting splice boxes for receptacles shown above listed in Section C of full-line catalog. Two gang models not available. See page PR22 for available polarization options.



KRJ-Series



AJC

JLC

JLX

ELECTRICAL RATING	
CIRCUIT	RATING (60 HERTZ)
1 Ø	7 Amps, 460 V.A.C., 1½ H.P.
2-Wire	- OR -
3-Pole	30 Amps, 115/230 V.A.C., 1-1½ H.P.
3 Ø	7 Amps, 460 V.A.C., 1 H.P.
3-Wire	- OR -
4-Pole	30 Amps, 115/230 V.A.C., 3 H.P.

KRJ RECEPTACLE WITH AJ OR JL BOX				
CIRCUIT	HUB SIZE	CATALOG NUMBER		
		AJC	JLC	JLX
1Ø 2-Wire 3-Pole	1/2"	—	KRJC-1303	KRJX-1303
	3/4"	KRAJC-2303	KRJC-2303	KRJX-2303
	1"	KRAJC-3303	—	—
RECEPTACLE ONLY - CATALOG NUMBER KRJ-303				
3Ø 3-Wire 4-Pole	1/2"	—	KRJC-1304	KRJX-1304
	3/4"	KRAJC-2304	KRJC-2304	KRJX-2304
	1"	KRAJC-3304	—	—
RECEPTACLE ONLY - CATALOG NUMBER KRJ-304				
Back Box Only	1/2"	—	JLC-1	JLX-1
	3/4"	AJC-2	JLC-2	JLX-2
	1"	AJC-3	—	—

JL Series boxes shown in Section F of full-line catalog. Refer to page headings for suitability of specific items. See page PR22 for available polarization options.

RECEPTACLES

KR SERIES



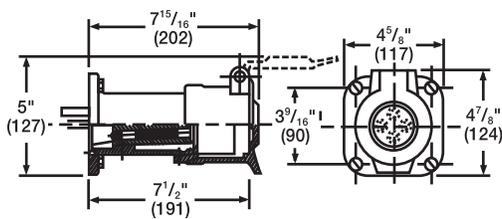
60 AMP 115/230 V.A.C. • 30 AMP/460 V.A.C.



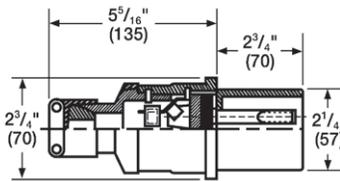
Class I, Div. 1 & 2, Groups C, D
Class I, Zones 1 & 2, IIB, IIA
NEMA 7 (C, D)

UL LISTED File No. E23572

FEATURES-SPECIFICATIONS



KRJ-60 Type Receptacles

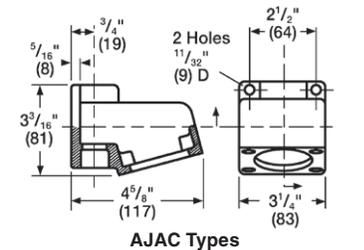


KP Type Plugs

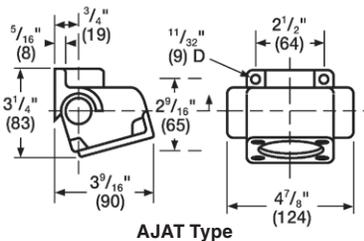
KR 60 AMP PLUGS		
CATALOG NUMBER		GROMMET RANGE
1Ø, 2-WIRE, 3-POLE	3Ø, 3-WIRE 4-POLE	
KP-603D345	KP-604D345	.500-.875
KP-603E45	KP-604E45	.875-1.125
KP-603E67	KP-604E67	1.125-1.375
—	KP-604F34	1.250-1.500
—	KP-604F56	1.500-1.750

See page PR22 for available polarization options.

Dimensions-Back Boxes



AJAC Types

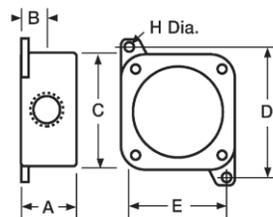


AJAT Type

KR RECEPTACLE ASSEMBLIES					
HUB SIZE	BOX STYLE	HUB STYLE	CATALOG NUMBER		
			1Ø, 2-WIRE 3-POLE	3Ø, 3-WIRE 4-POLE	SPLICE BOX ONLY
1"	JAL Series Boxes	"X"-3 Close-up Plugs Supplied	KRJX-3603	KRJX-3604	JALX-3
1-1/4"			KRJX-4603	KRJX-4604	JALX-4
—	—	—	—	—	—
1-1/4"	AJA Series Boxes	Feed Thru Top and Bottom	KRAJAC-4603	KRAJAC-4604	AJAC-4
1-1/2"			KRAJAC-5603	KRAJAC-5604	AJAC-5
2"		KRAJAC-6603	KRAJAC-6604	AJAC-6	
1-1/4"		T Sides and Top	KRAJAT-4603	KRAJAT-4604	AJAT-4
1-1/2"	KRAJAT-5603		KRAJAT-5604	AJAT-5	
RECEPTACLE ONLY			KRJ-603	KRJ-604	—

NOTE: For dead end box, use AJAC Series and CUP Series close-up plug.
See page PR22 for available polarization options.

ELECTRICAL RATING	
CIRCUIT	RATING (60 HERTZ)
1 Ø	30 Amps, 460 V.A.C., 3 H.P.
2-Wire	— OR —
3-Pole	60 Amps, 115/230 V.A.C., 3 H.P.
3 Ø	30 Amps, 460 V.A.C., 5 H.P.
3-Wire	— OR —
4-Pole	60 Amps, 115/230 V.A.C., 5 H.P.



JAL Type

JAL TYPE MOUNTING BOXES						
HUB	A	B	C	D	E	H
1"	2-3/8"	1-5/32"	4-5/8"	5-1/4"	4-1/8"	5/16"
1-1/4"	3-1/8"	1-17/32"	4-5/8"	5-1/4"	4-1/8"	5/16"



VSI NON-METALLIC PLUGS AND SWITCHED RECEPTACLES



Class I, Div. 2, Groups A, B, C, D
 Class I, Zones 1 & 2, Groups IIC, IIB, IIA
 AEx de IIC T6
 Class II, Div. 1 & 2, Groups E, F, G
 Class III
 NEMA 3, 4, 4X, IP66



File 3014299



Certified - File LR240743

See files for details or call Killark

FEATURES-SPECIFICATIONS



Applications

- For use in hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur

Features

- Color coding and pin configuration makes it physically impossible to mate plugs and receptacles of different voltages and current ratings
- Interlocked switch mechanism prevents accidental removal of plug from receptacle under load
- Horsepower rated disconnect switch
- Dust caps* included with 20A and 30A plugs as standard

- No seal required within Class I, Division 2 applications.
- Provision for up to two optional auxiliary contact blocks, useful for signaling circuits or starter coils.③
- Dimensional information – page PR28.

PARTS AND ACCESSORIES③	PART NUMBER
Auxiliary Contact Block NC, A600④	VSIAUXNC
Auxiliary Contact Block NO, A600④	VSIAUXNO

④ 10A rating for one auxiliary block; 5A if two are used. Position noted (NC or NO) is when main switch is off.

VSI SERIES PLUGS & SWITCHED RECEPTACLES					
DESCRIPTION		CATALOG NUMBER			
	AC VOLTAGE AND COLOR CODE	20 AMP①		30 AMP②	
		RECEPTACLE	PLUG	RECEPTACLE	PLUG
2 Pole 3 Wire	125 Yellow	VSI20R304	VSI20P304	—	—
	250 Blue	VSI20R306	VSI20P306	—	—
	480 Red	VSI20R307	VSI20P307	—	—
3 Pole 4 Wire	3 Ø 250 Blue	VSI20R409	VSI20P409	VSI30R409	VSI30P409
	3 Ø 480 Red	VSI20R407	VSI20P407	VSI30R407	VSI30P407
	3 Ø 600 Black	VSI20R405	VSI20P405	VSI30R405	VSI30P405
4 Pole 5 Wire	3 ØY 120/208 Blue	VSI20R509	VSI20P509	VSI30R509	VSI30P509
	3 ØY 277/480 Red	VSI20R507	VSI20P507	VSI30R507	VSI30P507
	3 ØY 347/600 Black	VSI20R505	VSI20P505	VSI30R505	VSI30P505



Snap into side(s) of terminal block

① VSI 20A devices are compatible with prior 16A models. However, the rating of the lower amperage will apply.

② VSI 30A devices are compatible with prior 32A models. Ratings of the lower amperage will apply.

* Dust caps shall be installed on plugs with receptacle cover closed when the plug is not engaged in the receptacle.

TECHNICAL DATA				
RECEPTACLE		20 AMP		30 AMP
ENCLOSURE MATERIAL		Polyamide		
AMBIENT TEMPERATURE, T _a		-30°C (-22°F) to +55°C (131°F)		
TERMINAL CAPACITY		2 wires, rated 75°C (Ta<45°C) or 90°C (Ta>45°C)		
		16-10 AWG		14-8 AWG
SWITCH RATING	(Horsepower)	1-phase	3-phase	3-phase
	120 VAC	1.5 HP	—	—
	240 VAC	3 HP	5 HP	10 HP
	480 VAC	5 HP	10 HP	20 HP
	600 VAC	—	15 HP	25 HP
LINE SUPPLY FUSE		CLASS J - size per NEC/CEC requirement, upstream ahead of unit		
BOTTOM ENTRY		3/4" NPT		1" NPT

TECHNICAL DATA		
PLUG	20 AMP	30 AMP
ENCLOSURE MATERIAL	POLYAMIDE	
TERMINAL CAPACITY	1 wire, rated 75°C (Ta<45°C) or 90°C (Ta>45°C)	
	16-10 AWG	14-8 AWG
CORD OUTER DIA.	0.3" - 0.8"	0.6" - 1.1"

RECEPTACLES

VERSAMATE® SERIES



VSI NON-METALLIC PLUGS AND SWITCHED RECEPTACLES



- Class I, Div. 2, Groups A, B, C, D
- Class I, Zones 1 & 2, Groups IIC, IIB, IIA
AEx de IIC T6
- Class II, Div. 1 & 2, Groups E, F, G
- Class III
- NEMA 3, 4, 4X, IP66

FM APPROVED File 3014299

SP Certified - File LR240743

See files for details or call Killark

FEATURES-SPECIFICATIONS



Applications

- For use in hazardous and corrosive environments such as refineries, chemical plants, water treatment and bio gas plants, and wherever a combustible gas-air mixture or combustible dust may occur

- When VSI Series is installed in Class II Div. 1 & 2 locations, dust caps for plugs are required. See ordering information below

Features

- Color coding and pin configuration makes it physically impossible to mate plugs and receptacles of different voltages and current ratings
- No seals required within Class I, Div. 2 applications

- Interlocked switch mechanism prevents accidental removal of plug from receptacle under load
- Horsepower rated disconnect switch includes 1 auxiliary contact (late make, early break) for signaling circuits.
- 63A, 125A models

Dimensional Information

- See page PR28

VSI SERIES PLUGS & SWITCHED RECEPTACLES					
DESCRIPTION		CATALOG NUMBER			
	AC VOLTAGE AND COLOR CODE	63 AMP		125 AMP	
		RECEPTACLE	PLUG	RECEPTACLE	PLUG
3 Pole 4 Wire	3 Ø 250 Blue	VSI63R409	VSI63P409	VSI125R409	VSI125P409
	3 Ø 480 Red	VSI63R407	VSI63P407	VSI125R407	VSI125P407
	3 Ø 600 Black	VSI63R405	VSI63P405	VSI125R405	VSI125P405
4 Pole 5 Wire	3 ØY 120/208 Blue	VSI63R509	VSI63P509	VSI125R509	VSI125P509
	3 ØY 277/480 Red	VSI63R507	VSI63P507	VSI125R507	VSI125P507
	3 ØY 347/600 Black	VSI63R505	VSI63P505	VSI125R505	VSI125P505

VSI non-metallic devices NOT intermateable with Versamate® NEC metallic series.

PLUG DUST CAP	
FOR PLUG TYPE	CATALOG NUMBER
VSI63P4__	VSI63801140
VSI63P5__	VSI63801140
VSI125P4__	VSI125801140
VSI125P5__	VSI125801140

Dust cap shall be installed on the plug when the plug is not engaged in the receptacle.

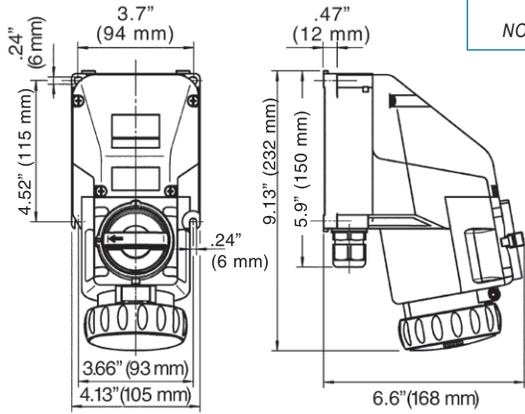
TECHNICAL DATA			
RECEPTACLE		63 AMP	125 AMP
ENCLOSURE MATERIAL		FIBER REINFORCED POLYESTER	
AMBIENT TEMPERATURE, T _a		-20°C (-4°F) to +40°C (104°F)	
TERMINAL CAPACITY		2 wires, 90°C rated	
		6-1/0 AWG	1/0-3/0 AWG
SWITCH RATING	(Horsepower)	3-phase	3-phase
	120 VAC	10 HP	20 HP
	240 VAC	20 HP	40 HP
	480 VAC	40 HP	100 HP
	600 VAC	60 HP	125 HP
LINE SUPPLY FUSE		CLASS J - size per NEC/CEC requirement, upstream ahead of unit	
BOTTOM ENTRY		1-1/2" NPT	2" NPT

TECHNICAL DATA		
PLUG	63 AMP	125 AMP
ENCLOSURE MATERIAL	POLYAMIDE	
TERMINAL CAPACITY	1 wire, 90°C rated	
	10-4 AWG	6-1/0 AWG
CORD OUTER DIA.	0.94" - 1.4"	1.2" - 2"

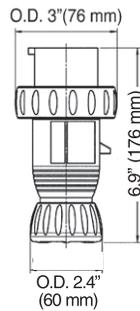


VSI NON-METALLIC PLUGS AND SWITCHED RECEPTACLES

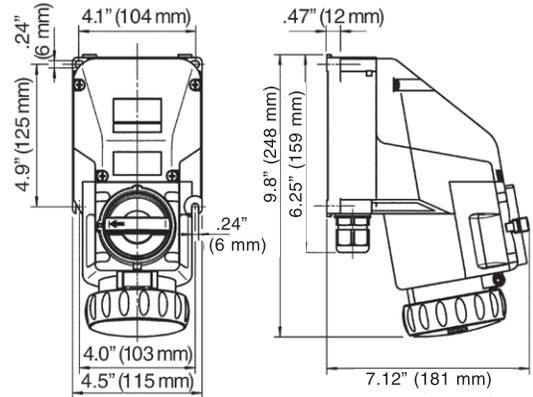
Dimensions
NOTE: Drawings are not to scale



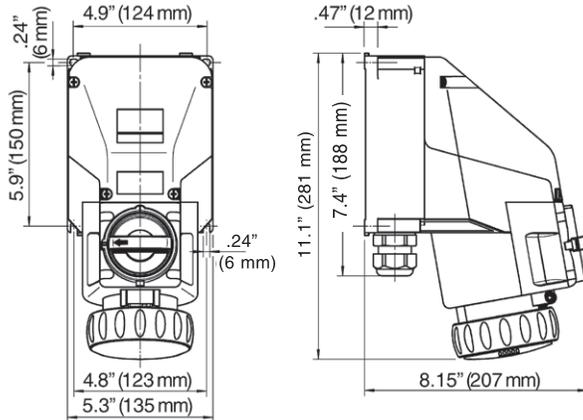
RECEPTACLE 20A
2 POLE - 3 WIRE



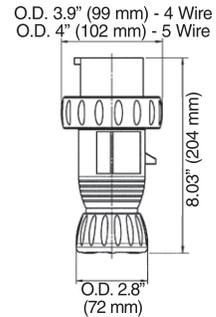
PLUG 20A



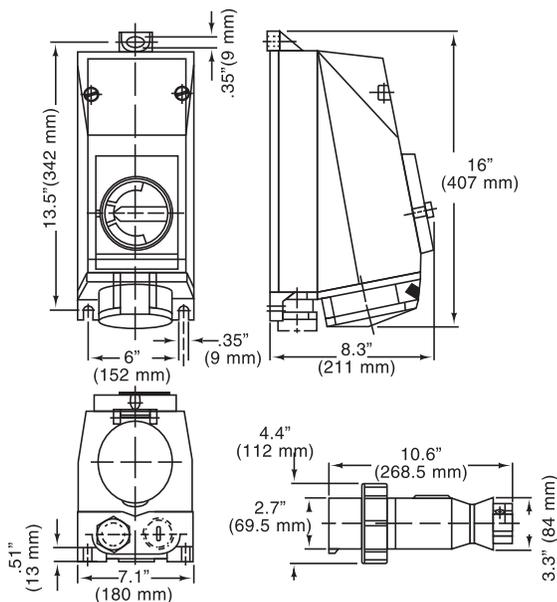
RECEPTACLE 20A
3 POLE - 4 WIRE AND 4 - POLE 5 WIRE



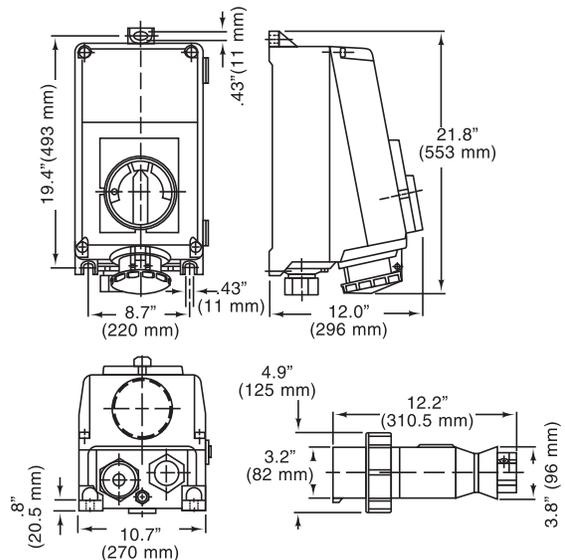
RECEPTACLE 30A
3 POLE - 4 WIRE AND 4 POLE - 5 WIRE



PLUG 30A



RECEPTACLE & PLUG 63A
3 POLE - 4 WIRE AND 4 POLE - 5 WIRE



RECEPTACLE & PLUG 125A
3 POLE - 4 WIRE AND 4 POLE - 5 WIRE