



CONNECTIVITY

VERSAMATE® SERIES

EXCLUSIVE FEATURES & GROUNDING METHODS

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

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

- Allen/Slot type box terminals provide secure clamping of conductors

- Exclusive O-ring seals

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

- 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 O-ring seals

- Allen/Slot type box terminals provide secure clamping of conductors

- Body style with octagonal shape for easy grip

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

- Smooth shoulder contour prevents snags and hang ups

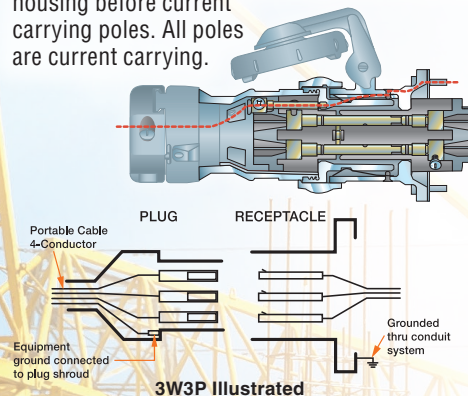
- The VersaMate® Cable clamp system captures cable with four grip points using only two tightening screws. Provides secure grip without damaging the cable insulation

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 and receptacle system is available in two grounding styles. Please note Style I and II devices cannot be intermated.

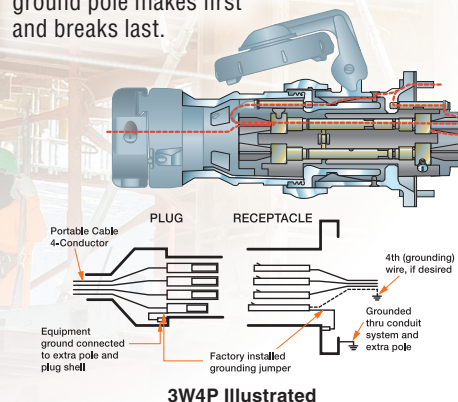
Style I

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.



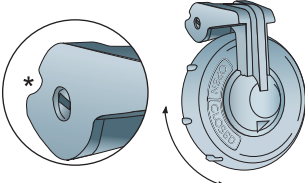
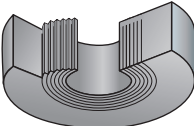
Style II

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.





FEATURES / COMPARISONS

KILLARK BRAND			RECEPTACLE/CONNECTOR PIN CONFIGURATION						
TERMINALS			STYLE 1			STYLE 2			
		New Allen/slot terminal screws do not contact or machine conductor. Allows higher torque values typical in the oil industry.	AMPS	POLES AND WIRES	RECEPTACLE/ CONNECTOR CONFIGURATION	AMPS	POLES AND WIRES	RECEPTACLE/ CONNECTOR CONFIGURATION	
CAP			30	2W2P		30	2W3P		
				3W3P			3W4P		
				4W4P			60	2W3P	
			60	2W2P		100		3W4P	
				3W3P			2W3P		
				4W4P			3W4P		
GASKET			100	2W2P		150A	3W4P		
				3W3P			2W3P		
				4W4P			3W4P		
			150A	4W4P		200			
			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. 200A Amp devices are a factory-only option. Reverse service is not for hazardous locations.



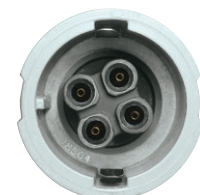
POLARIZED OPTION: S37

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



CONNECTIVITY

VERSAMATE® SERIES

INTRODUCTION • NEMA 4X METALLIC

NEMA 4X VersaMATE®



Compliant to UL1686-C1
Type 3, 4, 4X

VR/VP

FEATURES-SPECIFICATIONS

Features

- UL 1686-C1 Intermateable with similar competitive products, including classified for use with Crouse-Hinds® Arktime® and Appleton® Powertite® devices.
- Receptacle bolt hole patterns match competitive back boxes for ease of installation.
- Octagonal body for sure grip.
- Breech-Lock cap on receptacles and in-line connectors serves as combination flip lid and screw cover.
- Back boxes available in straight and angled configurations.
- Angle Adapter (60-200A) suitable for installation on sheet metal enclosures.
- 60A Receptacles fit on 100A Angled Adapter.

Materials

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

Electrical Ratings

- Amperage = 30/60/100/150/200A
- Voltage = 600VAC / 250VDC
- Frequency = 50/60/400Hz

Arktime® is a registered trademark of Crouse-Hinds®.

Powertite® is a registered trademark of Appleton Electric Company®.



30A SELECTION INFORMATION



**30 Amp 600VAC/250VDC; 50-400 Hertz
Type 3, 4, 4X**

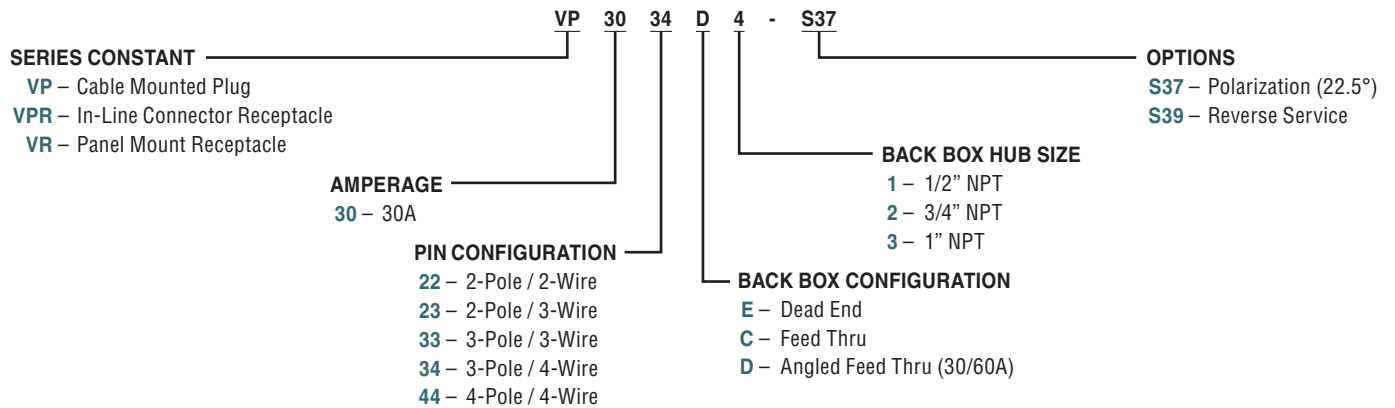
Wire Range

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. 1103268 (30A)

VP/VPR/VR PLUGS



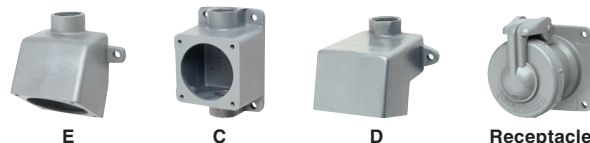
30 AMP PLUGS & CONNECTORS

GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	2W2P	.55 - 1.20 IN	VP3022	VPR3022
	3W3P	.55 - 1.20 IN	VP3033	VPR3033
	4W4P	.55 - 1.20 IN	VP3044	VPR3044
Style II	2W3P	.55 - 1.20 IN	VP3023	VPR3023
	3W4P	.55 - 1.20 IN	VP3034	VPR3034

30 AMP RECEPTACLES & BACK BOXES

GROUND STYLE	CIRCUIT	CATALOG NUMBER			
		E ① TYPE DEAD END	C ① TYPE FEED THRU	D ① TYPE ANGLED FEED THRU	RECEPTACLE ONLY
Style I	2W2P	VR3022E2	VR3022C2	VR3022D2	VR3022
	3W3P	VR3033E2	VR3033C2	VR3033D2	VR3033
	4W4P	VR3044E2	VR3044C2	VR3044D2	VR3044
Style II	2W3P	VR3023E2	VR3023C2	VR3023D2	VR3023
	3W4P	VR3034E2	VR3034C2	VR3034D2	VR3034
Splice box only ①		VRE23	VRC23	VRD23	-

① 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.





CONNECTIVITY

VERSAMATE® SERIES

60A SELECTION INFORMATION

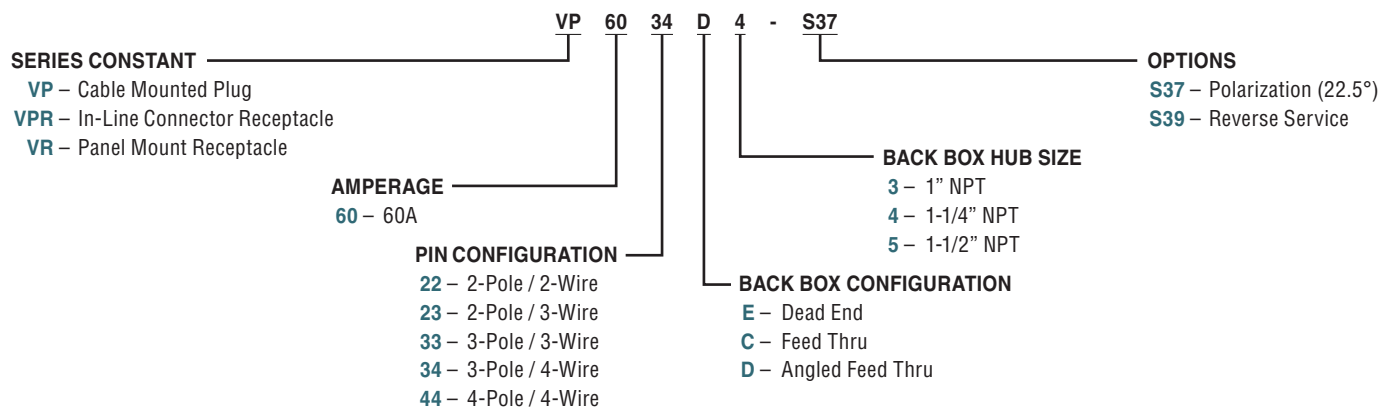
**60 Amp 600VAC/250VDC; 50-400 Hertz
Type 3, 4, 4X****Wire Range**

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

Extra flex: #6 - #4 original style or "AT" type

File No. E10757

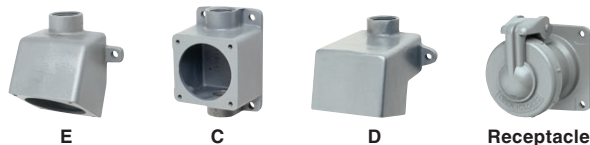
Certified File No. 1103258 (60A)

VP/VPR/VR PLUGS

60 AMP PLUGS & CONNECTORS				
GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	2W2P	.65 - 1.50 IN	VP6022	VPR6022
	3W3P	.65 - 1.50 IN	VP6033	VPR6033
	4W4P	.65 - 1.50 IN	VP6044	VPR6044
Style II	2W3P	.65 - 1.50 IN	VP6023	VPR6023
	3W4P	.65 - 1.50 IN	VP6034	VPR6034

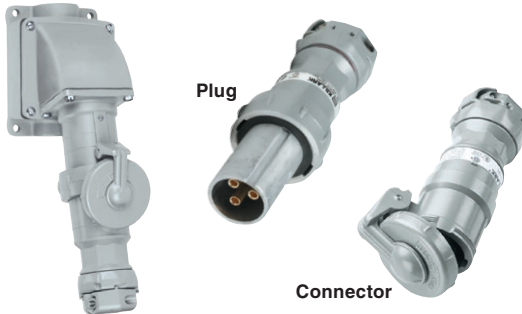
60 AMP RECEPTACLES & BACK BOXES					
GROUND STYLE	CIRCUIT	CATALOG NUMBER			
		Eⓐ TYPE DEAD END	Cⓐ TYPE FEED THRU	Dⓐ TYPE ANGLED FEED THRU	RECEPTACLE ONLY
Style I	2W2P	VR6022E4	VR6022C4	VR6022D4	VR6022
	3W3P	VR6033E4	VR6033C4	VR6033D4	VR6033
	4W4P	VR6044E4	VR6044C4	VR6044D4	VR6044
Style II	2W3P	VR6023E4	VR6023C4	VR6023D4	VR6023
	3W4P	VR6034E4	VR6034C4	VR6034D4	VR6034
Splice box onlyⓐ		VRE46	VRC46	VRD46	–

ⓐ 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.





100A SELECTION INFORMATION



**100 Amp 600VAC/250VDC; 50-400 Hertz
Type 3, 4, 4X**

Wire Range

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

Ⓛ File No. E10757

Ⓢ Certified File No. 1093021 (100A)

VP/VPR/VR PLUGS

SERIES CONSTANT

- VP** – Cable Mounted Plug
- VPR** – In-Line Connector Receptacle
- VR** – Panel Mount Receptacle

AMPERAGE
10 – 100A

PIN CONFIGURATION

- 22** – 2-Pole / 2-Wire
- 23** – 2-Pole / 3-Wire
- 33** – 3-Pole / 3-Wire
- 34** – 3-Pole / 4-Wire
- 44** – 4-Pole / 4-Wire

VP 10 34 C 4 - S37

OPTIONS

- S37** – Polarization (22.5°)
- S39** – Reverse Service

BACK BOX HUB SIZE

- 3** – 1" NPT
- 4** – 1-1/4" NPT
- 5** – 1-1/2" NPT
- 6** – 2" NPT

BACK BOX CONFIGURATION

- E** – Dead End
- C** – Feed Thru

100 AMP PLUGS & CONNECTORS

GROUND STYLE	CIRCUIT	GROMMET RANGE	CATALOG NUMBER	
			PLUG	CONNECTOR
Style I	2W2P	.88 - 1.68 IN	VP1022	VPR1022
	3W3P	.88 - 1.68 IN	VP1033	VPR1033
	4W4P	.88 - 1.68 IN	VP1044	VPR1044
Style II	2W3P	.88 - 1.68 IN	VP1023	VPR1023
	3W4P	.88 - 1.68 IN	VP1034	VPR1034

100 AMP RECEPTACLES & BACK BOXES

GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E ① TYPE DEAD END	C ① TYPE FEED THRU	RECEPTACLE ONLY
Style I	2W2P	VR1022E5	VR1022C5	VR1022
	3W3P	VR1033E5	VR1033C5	VR1033
	4W4P	VR1044E5	VR1044C5	VR1044
Style II	2W3P	VR1023E5	VR1023C5	VR1023
	3W4P	VR1034E5	VR1034C5	VR1034
Splice box only ②		VJ57	VJC57	VJA100*

* Angle adapter only

① 100 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.

② 100 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.





CONNECTIVITY

VERSAMATE® SERIES

150A SELECTION INFORMATION



Plug



Connector

**150 Amp 600VAC/250VDC; 50-400 hertz
Type 3, 4, 4X**

Wire Range

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

cULus File No. E10757

VP/VPR/VR PLUGS

SERIES CONSTANT

VPA – Cable Mounted Plug
VCA – In-Line Connector Receptacle
VRA – Panel Mount Receptacle

AMPERAGE
150 – 150A

PIN CONFIGURATION
34 – 3-Pole / 4-Wire
44 – 4-Pole / 4-Wire

VPA 150 34 C 4 - S37

OPTIONS

S37 – Polarization (22.5°)
S39 – Reverse Service

BACK BOX HUB SIZE

4 – 1-1/4" NPT
5 – 1-1/2" NPT
6 – 2" NPT

BACK BOX CONFIGURATION

E – Dead End
C – Feed Thru

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

150 AMP RECEPTACLES & BACK BOXES

GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E① TYPE DEAD END	C① TYPE FEED THRU	RECEPTACLE ONLY
Style I	4W4P	VRA15044E6	VRA15044C6	VRA15044
Style II	3W4P	VRA15034E6	VRA15034C6	VRA15034
Splice box only w/ adapter②		VJ67	VJC67	VJA100*

* Angle adapter only

① 150 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.

② 100/150 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.



E



C



Receptacle



200A SELECTION INFORMATION



Plug



Connector

**200 Amp 600VAC/250VDC; 50-400 Hertz
Type 3, 4, 4X**

Wire Range

Regular Stranding: #1 - 250

(Includes Type P marine)

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

File No. E10757

Certified File No. 1121608

VP/VPR/VR PLUGS

SERIES CONSTANT

VP – Cable Mounted Plug

VPR – In-Line Connector Receptacle

VR – Panel Mount Receptacle

PIN CONFIGURATION

312 – 3-Pole / 3-Wire Receptacle

322 – 2-Pole / 3-Wire Receptacle

422 – 3-Pole / 4-Wire Receptacle

412 – 4-Pole / 4-Wire Receptacle

3612 – 2-Pole / 3-Wire Plug

3512 – 3-Pole / 3-Wire Plug

4513 – 4-Pole / 4-Wire Plug

4612 – 3-Pole / 4-Wire Plug

3212 – 2-Pole / 3-Wire Connector

3112 – 3-Pole / 3-Wire Connector

4113 – 4-Pole / 4-Wire Connector

4212 – 3-Pole / 4-Wire Connector

VPR 20 3512 C 6 - S37

AMPERAGE
20 – 200A

OPTIONS

S37 – Polarization (22.5°)

S39 – Reverse Service

BACK BOX HUB SIZE

5 – 1-1/2" NPT

6 – 2" NPT

7 – 2-1/2" NPT

BACK BOX CONFIGURATION

E – Dead End

C – Feed Thru

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

200 AMP RECEPTACLES & BACK BOXES

GROUND STYLE	CIRCUIT	CATALOG NUMBER		
		E ① TYPE DEAD END	C ① 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 ②		VJ78	VJC78	Angle adapter only VJA200

① 200 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.

② Adapter-only can be used to attach receptacle at an angle to a standard sheet metal box.

* 200A 3W4P Reverse Service configured "W" Series and VersaMate® are not interchangeable. 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.



E



C



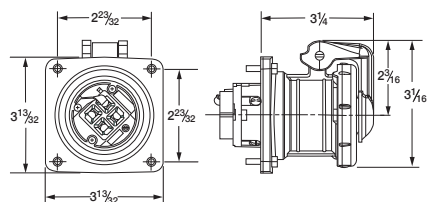
Receptacle



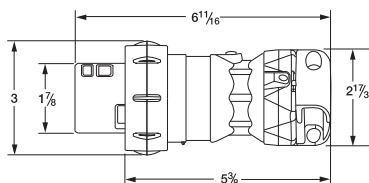
CONNECTIVITY VERSAMATE® SERIES

DIMENSIONS

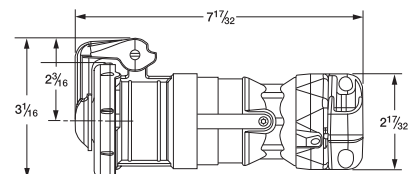
30A SELECTION INFORMATION



Receptacle

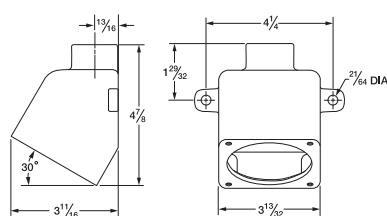


Plug

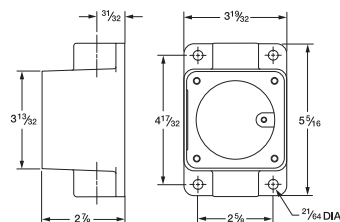


Connector

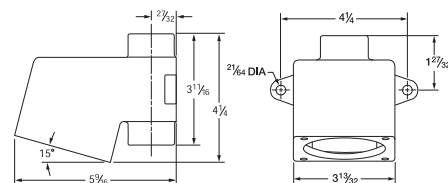
Back Box Dimensions



VRE

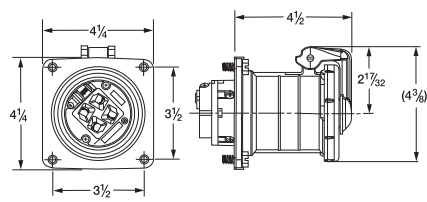


VRC

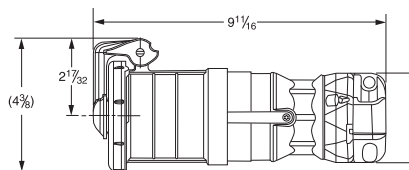


VRD

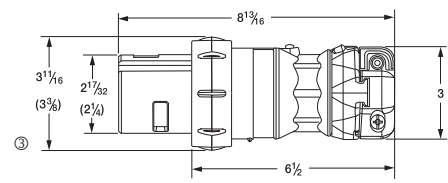
60A SELECTION INFORMATION



Receptacle

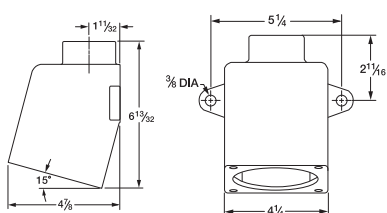


Connector

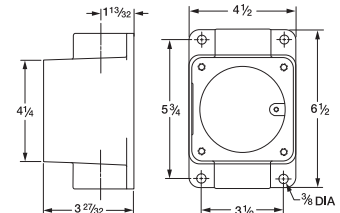


Plug

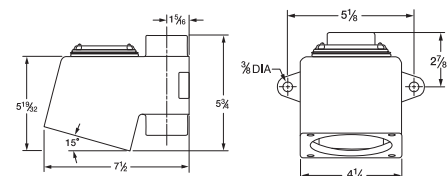
Back Box Dimensions



VRE



VRC



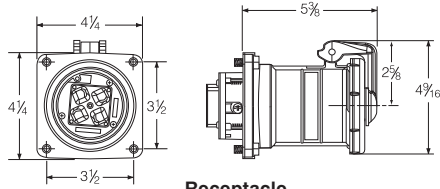
VRD

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



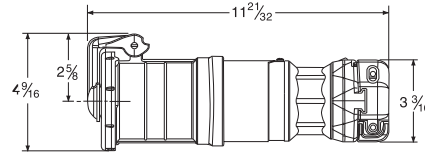
DIMENSIONS

100A SELECTION INFORMATION

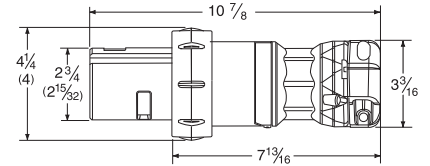


Receptacle

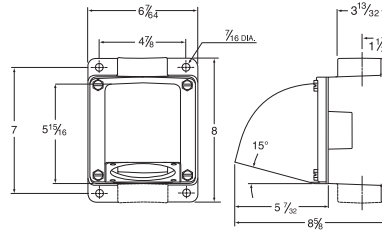
Back Box Dimensions



Connector

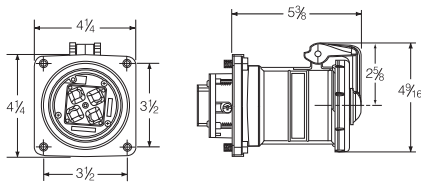


Plug



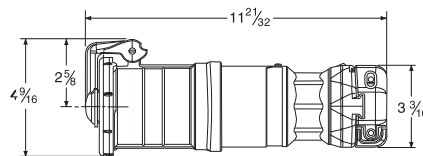
VJC
Feed through style shown

150A SELECTION INFORMATION

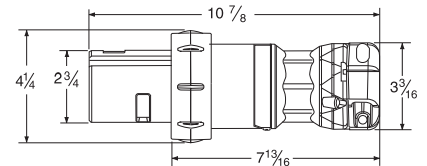


Receptacle

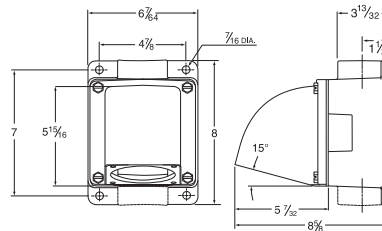
Back Box Dimensions



Connector

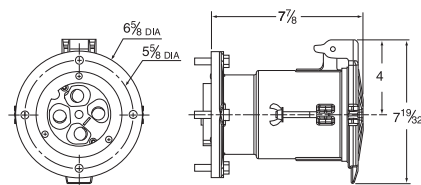


Plug



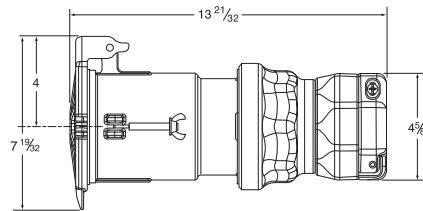
VJC
Feed through style shown

200A SELECTION INFORMATION

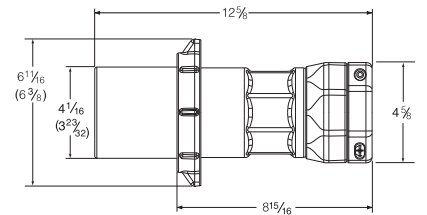


Receptacle

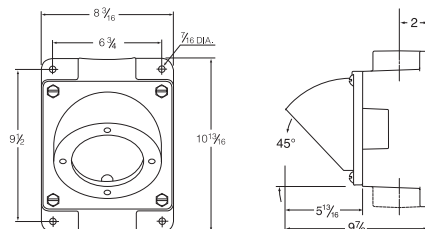
Back Box Dimensions



Connector



Plug



VJC

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