

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

Wire Range

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

UL File No. E10757 **SF** Certified File No. LR111846
 E213215

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 | Reverse service for receptacles, plugs & connectors |
| S37 | Polarization for receptacles, plugs & connectors |

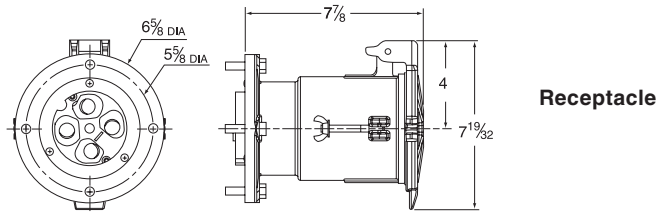
*See page PR5 for more information on these options.

| 200 AMP RECEPTACLES & BACK BOXES | | | | |
|----------------------------------|---------|------------------|------------------|----------------------------------|
| GROUND STYLE | CIRCUIT | CATALOG NUMBER | | |
| | | E ② TYPE | C ② TYPE | 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/adaptor②③ | | VJ68 | VJC78 | Angle adapter only VJA200 |

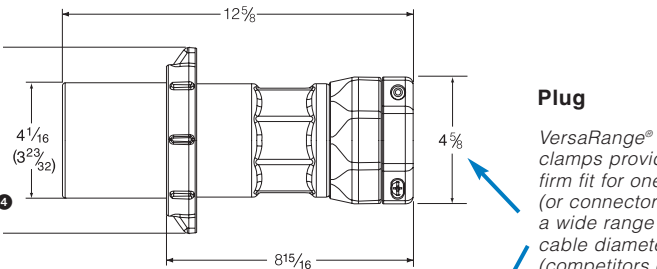
② 200 Amp Back Boxes are available in dead-end sizes 1-1/2", 2" & 2-1/2" conduit sizes. Dead-end box shown is 2". For other available dead-end box sizes, change the BOLD "6" in either the dead-end assembly or box only number as follows: **5**=1-1/2", **6**=2", **7**=2-1/2". Feed through boxes are available 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.

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.

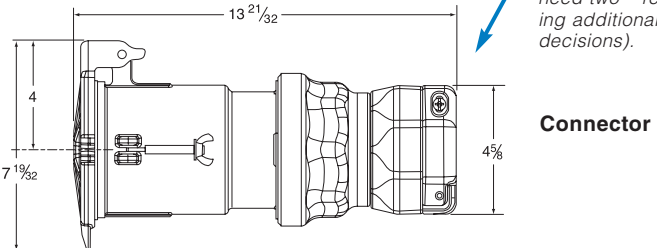


Receptacle



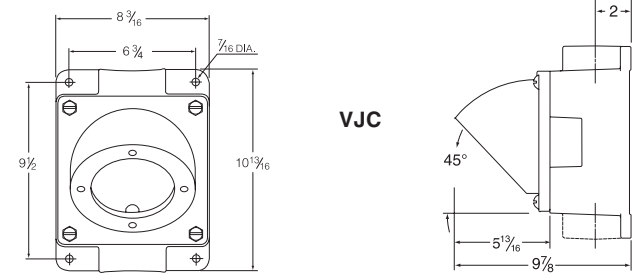
Plug

VersaRange® 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

① Components are interchangeable & 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.

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



VR/VP



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 AND ONLY 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

Standard 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.

Features:

The VersaMate product line includes 30, 60, 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.

^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.

^② See product pages for specific ratings.

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

Powertite® is a registered trademark of Appleton®.

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 “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.



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.



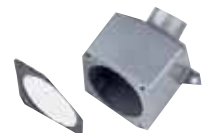
Cable Clamping Assembly:

Plugs and cable connectors are supplied with an exclusive neoprene “Onion Skin” peel-away type grommet. The VersaRange® 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.



KILLARK®

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 & receptacle (30A to 100A devices shown on pages PR6-8). 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



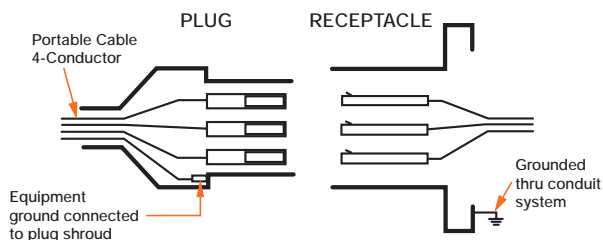
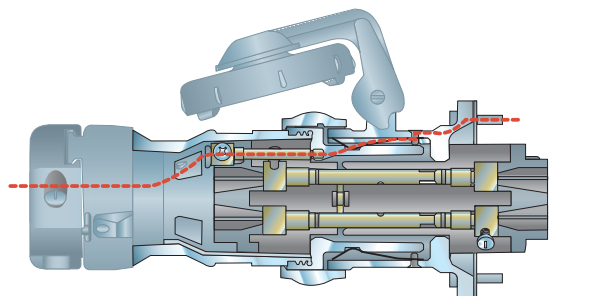
S37 Option

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.

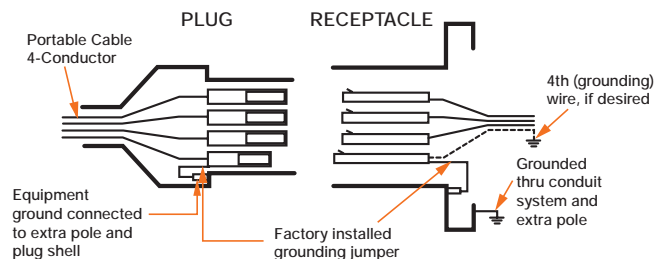
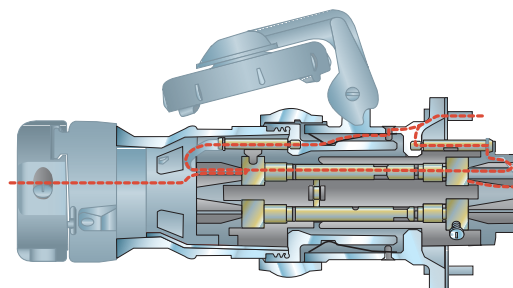
Style I

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.



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.



PR