MCC-1™ Series

- Rated Up to 1,135 Amps @ 1,000 Volts AC/DC
- IP68 Ingress Protection and with Deluge Protection up to DTS01:91
- Utilizes Number 24 Shell
RigPower’s mission is to create new industry standards in industrial electrical connectors by combining appropriate technological advances, quality production methods and dependable customer support.

Applications
RigPower’s MCC-1™ Series Single Pole High Amperage Connectors are designed specifically with the requirements of the drilling industry in mind. These products are designed to deliver up to 1,000 Volts, AC or DC, and up to 1,135 Amps of continuous power in the most extreme conditions. Typical applications are: connection of power from generator sets to Switchgear or SCR (silicon controlled rectifiers) controls, or from the control house to traction motors, mud pumps, draw-works, rotary tables, cement pumps and top drives.

Type P Cables
The MCC-1 Series connectors are designed to work in conjunction with the latest generation of Type P drilling cables, per IEEE 45. Cable accommodations are from 4/0 MCM to 777 MCM. Metric cable sized contacts are available on request.

Sealing
MCC-1 Series plugs and connectors have internal seals which prevent water intrusion even if the caps are left off. Competitor’s plugs and receptacles allow easy ingress of moisture, causing shorting of the connector to the case. This destroys the connector and presents a dangerous safety hazard.

Design & Performance Highlights
The advanced design techniques utilized by RigPower have allowed us to design in two O-Rings (Contact to Insulator and Insulator to Cable Adapter) at the optimum locations to create a water tight seal.

- Rated for 1,135 Amps continuous at 1,000 volts, AC/DC
- Rugged machined aluminum shell with a hard anodized coating is resistant to salt corrosion, drilling mud, humidity, moisture, oil and dust
- Heavy-Duty ACME Threaded Coupling permits positive and quick engagement even under harsh conditions
- Totally shrouded contact design and a dead front tip on both the male and female contact improves operator safety by eliminating exposed, live surfaces
- Low Mating & Unmating Force permits ease of insertion and withdrawal. Available with the customer’s choice of female contact with the standard “C” spring design or RigPower’s advanced “Multilam” design
- Copper Alloy, Sn Plated Contacts and Buss Bars provide maximum conductivity
- All contacts use the same crimping die sets as the RigPower “RMP®, Secure Mount®, Safe Stab®, VFD-1®, HP20 and MC20® series connectors
- Ingress Protection IP68 in mated condition or with protective cover in place
- Color Coding Option for positive phase identification

Special Product Note:
The MCC-1 series advanced design allows for the REMOVAL OF THE KEY on all RigPower plugs. This eliminates the required twisting of heavy cable to align the key before mating the plug to the corresponding component. With the MCC-1 series just push the plug into any existing competitive receptacle or In-line receptacle, screw the coupling nut down, and you’re ready to go. The MCC-1 is 100% intermateable with existing brands. We improved the products, made them easier to work with, and increased the safety factor.

AMPACITY RATINGS IN 40º AMBIENT

<table>
<thead>
<tr>
<th>CABLE SIZE</th>
<th>90º C</th>
<th>125º C</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/0 MCM</td>
<td>364 AMPS</td>
<td>451 AMPS</td>
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<tr>
<td>313 MCM</td>
<td>513 AMPS</td>
<td>636 AMPS</td>
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<td>1009 AMPS</td>
</tr>
<tr>
<td>777 MCM</td>
<td>916 AMPS</td>
<td>1135 AMPS</td>
</tr>
</tbody>
</table>
**MCC-1™ SL SERIES**

**INSULATORS & BUSS BARS**

**Male Contact Insulator**

Industry Exclusive
Each contact and receptacle insulator has an O-Ring Seal designed into the body which offers improved mounting between the insulator and cable adapter shell and receptacle housing. Additionally, the O-Ring provides a water tight seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

**MCC-1 SL Male Contact**

The Contacts and Buss Bars are Sn plated high conductivity copper. Both the male components have a dead front end to protect operators from shock hazard. Connectors are rated for 1,135 amps at 1,000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 amps.

**Industry Exclusive**
Each contact and buss bar has an O-Ring Seal designed into the body which offers improved mounting between the electrical component and the insulator. Additionally, the O-Ring provides a water tight seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

**MCC-1 SL Male Buss Bar**

Advanced Crimping System
The MCC-1 Series connectors are designed to use the standard hex crimp seen on all RigPower products. This standard crimp design provides a more robust and durable crimp and standardizes the tools needed. One set of four hex die sizes will accommodate all RigPower contacts from 4/0 to 777 MCM cables.

**Industry Exclusive**
Each contact and buss bar has an O-Ring Seal designed into the body which offers improved mounting between the electrical component and the insulator. Additionally, the O-Ring provides a water tight seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

**MCC-1 SL Female Buss Bar**

Advanced Crimping System
The MCC-1 Series connectors are designed to use the standard hex crimp seen on all RigPower products. This standard crimp design provides a more robust and durable crimp and standardizes the tools needed. One set of four hex die sizes will accommodate all RigPower contacts from 4/0 to 777 MCM cables.

**Industry Exclusive**
Each contact and buss bar has an O-Ring Seal designed into the body which offers improved mounting between the electrical component and the insulator. Additionally, the O-Ring provides a water tight seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

**MCC-1 SL Female Contact**

Female Buss Bar and contact connectors are designed to be compatible with standard Star-Line® TMPC™ style contacts. They are manufactured from high quality copper and are plated for maximum conductivity and corrosion resistance. Rated for 1,135 amps at 1,000 volts AC/DC.

**NOTE:** The SL contacts and buss bars are designed to be compatible with the standard Star-Line® TMPC™ style components. They are manufactured from high quality copper and are Sn plated for maximum conductivity and corrosion resistance. Rated for 1,135 amps at 1,000 volts AC/DC.

*Star-Line® and TMPC™ are Registered Trademarks of Amphenol Corporation*

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**Advanced Crimping System**
The MCC-1 Series connectors are designed to use the standard hex crimp seen on all RigPower products. This standard crimp design provides a more robust and durable crimp and standardizes the tools needed. One set of four hex die sizes will accommodate all RigPower contacts from 4/0 to 777 MCM cables.

**Industry Exclusive**
Each contact and buss bar has an O-Ring Seal designed into the body which offers improved mounting between the electrical component and the insulator. Additionally, the O-Ring provides a water tight seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

**MCC-1 SL Female Buss Bar**

Specially built contact accommodates two 4/0 cables that are locked in place with pressure set screws. A large rubber grommet at the rear of the adapter has two holes sized for 4/0 cables and is held in place with a #28 washer and cable clamp.
MCC-1™ SL SERIES

INDUSTRY FEATURES AND BENEFITS

The MCC-1 Series receptacles have two keyways to accept other manufacturer’s standard two key plugs.

Male Receptacle — Sn plated high conductivity copper. The male buss bars have a dead front end to protect operators from shock hazard. Connectors are rated at 1000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 Amps.

MCC-1 Series receptacles have two keyways to accept other manufacturer’s standard two key plugs.

MCC-1 SL Male Receptacle

- Sn plated high conductivity copper.
- Male buss bars have a dead front end to protect operators from shock hazard.
- Connectors are rated at 1000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 Amps.

The MCC-1 Series receptacles have two keyways to accept other manufacturer’s standard two key plugs.

MCC-1 SL Female Receptacle

- Designed to be compatible with standard Star-Line® TMPC™ style contacts.
- Manufactured from high quality copper and Sn plated for maximum conductivity and corrosion resistance.
- Rated for 1,135 amps at 1,000 volts AC/DC.

Receptacle Gasket — Neoprene Mounting Gasket provided.

Receptacle Cap
- Heavy duty stainless steel chain and clips to prevent loss of cap.
- Powder Coated for easier phase identification at hook-up.

The Female buss bar connectors are designed to be compatible with standard Star-Line® TMPC™ style contacts. They are manufactured from high quality copper and are Sn plated for maximum conductivity and corrosion resistance. Rated for 1,135 amps at 1,000 volts AC/DC.

Receptacle Gasket — Neoprene Mounting Gasket provided.

Receptacle Cap
- Heavy duty stainless steel chain and clips to prevent loss of cap.
- Powder Coated for easier phase identification at hook-up.

MCC-1 Series connectors are available in eight standard colors with durable powder coating.

* Purple and Gray available upon special request.

If additional colors are desired, the option is provided from RigPower to powder coat two color bands on each connector. This allows over forty unique color combinations to ensure proper connections to multiple pieces of equipment.

Industry Exclusive

30° – 45° Reversible Locking Buss Bar Lug

- Locks in position at 30° or 45°

MCC-1 SL Female Double Hole Set Screw 4/0 Contact

- Specially built contact accommodates two 4/0 cables that are locked in place with pressure set screws.
- A large rubber grommet at the rear of the adapter has two holes sized for 4/0 cables and is held in place with a #28 washer and cable clamp.

MCC-1 SL Female Receptacle Cable Adapter with Double Hole 4/0 contact

- Special #24 Flange with #28 thread in back to accommodate large shell and double hole contact.
INDUSTRY FEATURES AND BENEFITS

**MCC-1 SL Female In-line Receptacle**
- Industry Exclusive
  - Plug Cap – Fully powder coated, helps protect roughnecks by identifying proper phase color easily, up close or from a distance. Heavy duty stainless steel chain and clips to prevent loss of cap.

**MCC-1 SL Male Plug**
- Industry Exclusive
  - Coupling Nut – The Coupling Nut also has a robust hex design at the rear for easier cable-to-receptacle connections or cable-to-cable connection.

**MCC-1 In-line Plug**
- Male Plug – Sn plated high conductivity copper contact. All male plugs and receptacles have a dead front end to protect operators from shock hazard. Connectors are rated for 1,135 amps at 1,000 volts AC or DC with the ability to withstand intermittent surges up to 1,300 Amps.

**MCC-1 SL In-line Connection**
- Industry Exclusive
  - Plug Cap – Fully powder coated, helps protect operators by identifying proper phase color easily, up close or from a distance. Heavy duty stainless steel chain and clips to prevent loss of cap.

**MCC-1 SL Fixed Cable Receptacle**
- Industry Exclusive
  - Cable Adapter – Robust grip with knurling for easy assembly and handling. Fully powder coated.

**MCC-1 SL Female In-line Receptacle**
- Female In-line Receptacles.
  - Connectors are rated for 1,135 amps at 1000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 amps.

**Industry Exclusive**
- Plug Cap – Fully powder coated, helps protect operators by identifying proper phase color easily, up close or from a distance. Heavy duty stainless steel chain and clips to prevent loss of cap.

**Industry Exclusive**
- Cable Adapter – Robust grip with knurling for easy assembly and handling. Fully powder coated.

**Industry Exclusive**
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**Industry Exclusive**
- Cable Adapter – Robust grip with knurling for easy assembly and handling. Fully powder coated.

**Industry Exclusive**
- Cable Adapter – Robust grip with knurling for easy assembly and handling. Fully powder coated.

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* Kellems®, is a Registered Trademark of Hubbell Inc.
Applications
RigPower’s MCC-1 RS Series Single Pole High Amperage Connectors are designed specifically with the requirements of the drilling industry in mind. These products are designed to deliver up to 1,000 Volts, AC or DC, and up to 1,135 Amps of continuous power in the most extreme conditions. Typical applications are: connection of power from generator sets to Switchgear or SCR (silicon controlled rectifiers) controls, or from the control house to traction motors, mud pumps, draw-works, rotary tables, cement pumps and top drives.

Type P Cables
The MCC-1 RS Series connectors are designed to work in conjunction with the latest generation of Type P drilling cables, per IEEE 45. Cable accommodations are from 4/0 MCM to 777 MCM. Metric cable sized contacts are available on request.

Installation
The simple design of the MCC-1 RS Series allows the connectors to be mated and unmated without the use of tools.

Sealing
MCC-1 RS Series plugs and connectors have internal seals which prevent water intrusion even if the caps are left off. Competitor’s plugs and receptacles allow easy ingress of moisture, causing shorting of the connector to the case. This destroys the connector and presents a dangerous safety hazard.

Design & Performance Highlights
The advanced design techniques utilized by RigPower have allowed us to design in two O-Rings (Contact to Insulator and Insulator to Cable Adapter) at the optimum locations to create a water tight seal.

- Rated for 1135 Amps continuous at 1000 volts, AC/DC
- Rugged machined aluminum shell with a hard anodized coating is resistant to salt corrosion, drilling mud, humidity, moisture, oil and dust
- Heavy-Duty ACME Threaded Coupling permits positive and quick engagement even under harsh conditions
- Totally shrouded contact design and a dead front tip on both the male and female contact improves operator safety by eliminating exposed live surfaces
- Low Mating & Unmating Force permits ease of insertion and withdrawal. Available with the RigPower’s advanced “Multilam” design
- Copper Alloy, Sn Plated Contacts and Buss Bars provide maximum conductivity
- Ingress Protection IP68 in mated condition or with protective cover in place
- Color Coding Option for positive phase identification

Special Product Note:
The MCC-1 RS series advanced design allows for the removal of the KEY on all plugs. This eliminates the required twisting of heavy cable to align the key before mating the plug to the receptacle. With the MCC-1 RS series just push the plug into any existing competitive receptacle, screw the coupling nut down, and you’re ready to go. The MCC-1 RS product is 100% intermateable with existing brands. We improved the products, made them easier to work with, and increased the safety factor! The MCC-1 RS system can intermate with Amphenol Star-Line® Radsok® plugs and receptacles.

INDUSTRY EXCLUSIVE –
The patented (U.S. Patent No. 7,442,096) Female Contact and Female Receptacle buss bar have a dead front Delrin® Ring which provides increased safety by helping to prevent accidental contact. BOTH the male and female components have this added feature. Connectors are rated for 1,135 amps at 1,000 Volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 amps.

INDUSTRY EXCLUSIVE –
All RigPower Contacts have a Double Crimp Style base that is longer than other manufacturer’s, which provides a more complete and secure connection between the cable and contact.

- Termination method is double crimp style for cable mounted plug and receptacles
- Crimping locators are designed into the base for ease of installation
- Made from Sn plated high conductivity copper
- Uses the same crimping die sets as the RigPower “RMP®II”, “Secure Mount®, Safe Stab®, VFD-1®, HP20™ and MC20™” series connectors

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<tr>
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</table>

AMPACITY RATINGS IN 40° AMBIENT
RIGPOWER CONNECTORS

MCC-1™ RS SERIES

INSULATORS & CONTACTS

Advanced Crimping System
The MCC-1 RS Series connectors are designed to use the standard hex crimp seen on all RigPower products. This standard crimp design provides a more robust and durable crimp and standardizes the tools needed. One set of four hex die sizes will accommodate all RigPower contacts from 4/0 to 777 MCM cables.

Industry Exclusive
Each contact and receptacle buss bar has an O-Ring Seal designed into the body which offers improved mounting between the insulator and contact or buss bar. Additionally, the O-Ring provides a water tight seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

MCC-1 RS Male Buss Bar
The MCC-1 RS Male Buss Bar is Sn plated high conductivity copper. BOTH have a dead front end to protect operators from shock hazard. Connectors are rated for 1,135 amps at 1,000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 amps.

Advanced Crimping System
The MCC-1 RS Series connectors are designed to use the recommended hex crimp seen on all RigPower products. This standard crimp design provides a more robust and durable crimp and standardizes the tools needed. One set of four hex die sizes will accommodate all RigPower contacts from 4/0 to 777 MCM.

Industry Exclusive
Each contact and receptacle insulator has an O-Ring Seal designed into the body which offers improved mounting between the insulator and cable adapter shell and receptacle housing. Additionally, the O-Ring provides a water proof seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

MCC-1 RS Female Contact Receptacle
NOTE: The Female RS Contacts and Buss Bars are Sn plated high conductivity copper. BOTH have a dead front end to protect operators from shock hazard. Connectors are rated for 1,135 amps at 1,000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 amps.

Industry Exclusive
Each contact and receptacle insulator has an O-Ring Seal designed into the body which offers improved mounting between the insulator and cable adapter shell and receptacle housing. Additionally, the O-Ring provides a water proof seal so that the component won’t have the propensity to short or burn out, even when the cap is not installed.

MCC-1 RS Female Contact Receptacle
NOTE: The MCC-1 RS system can intermate with Amphenol Star-Line® Radsok® plugs and receptacles.

“The Star-Line® and Radsok® are Registered Trademarks of Amphenol Corporation”
**INDUSTRY FEATURES AND BENEFITS**

**MCC-1 RS Male Buss Bar Receptacle**

The MCC-1 RS Series receptacles have two keyways to accept other manufacturer’s standard two key plugs.

**Male Buss Bar Receptacle** – Sn plated high conductivity copper. BOTH the Male and Female RS Contacts and Buss Bars have a dead front end to protect operators from shock hazard. Connectors are rated for 1,135 amps at 1000 volts AC or DC with the ability to withstand intermittent surges up to 1,300 Amps.

**Receptacle Cap**
- Heavy duty stainless steel chain and clips to prevent loss of cap
- Powder Coated for easier phase identification at hook-up

**MCC-1 RS Female Buss Bar Receptacle**

The MCC-1 RS Series receptacles have two keyways to accept other manufacturer’s standard two key plugs.

**Receptacle Cap**
- Heavy duty stainless steel chain and clips to prevent loss of cap
- Powder Coated for easier phase identification at hook-up

**NOTE:** The MCC-1 RS system can intermate with Amphenol Star-Line® Radsok® plugs and receptacles.

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**MCC-1 RS Female Contact Receptacle**

The MCC-1 RS Series connectors are available with the Multilam contact system. The Multilam Louver Strip allows electrical contact to be made via a large number of defined, current carrying contact points.

- High resistance to heat
- High electrical and thermal conductivity
- Sufficiently high contact forces
- High number of contact cycles
- Excellent resistance to corrosion
- Resistance to vibration
- Long product life

**Receptacle Gasket** – Neoprene Mounting Gasket provided.

**NOTE:** The MCC-1 RS system can intermate with Amphenol Star-Line® Radsok® plugs and receptacles.
**MCC-1™ RS SERIES**

**INDUSTRY FEATURES AND BENEFITS**

**Male Plug Contact** – Sn plated high conductivity copper. BOTH the Male and Female have a dead front end to protect operators from shock hazard. Connectors are rated at 1000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 Amps.

MCC-1 Series Plug connectors have no keyway. This allows MCC-1 plugs to be inserted into any receptacle without trying to rotate stiff DLO sized cables.

**Industry Exclusive**

- **Cable Adapter** – Robust grip with knurling for easy assembly and handling. Fully powder coated.
- **Coupling Nut** – The Coupling Nut also has a robust hex design at the rear for easier cable-to-receptacle connections or cable-to-cable connection.
- **Plug Cap** – Fully powder coated, helps protect roughnecks by identifying proper phase color easily, up close or from a distance. Heavy duty stainless steel chain and clips to prevent loss of cap.
- **Cable Plugs** can accommodate either a Mechanical Cable Clamp or Kellems Grip.

The MCC-1 RS Series connectors are available with the Multilam contact system. The Multilam Louver Strip allows electrical contact to be made via a large number of defined, current carrying contact points.

- High resistance to heat
- High electrical and thermal conductivity
- Sufficiently high contact forces
- High number of contact cycles
- Excellent resistance to corrosion
- Resistance to vibration
- Long product life

**Industry Exclusive**

The Female Contact has a patented (U.S. Patent No. 7,442,096) Dead Front Delrin® Ring which provides increased safety by helping to prevent accidental contact. BOTH the RS Male and Female Contacts have a dead front end to protect operators from shock hazard. Connectors are rated at 1000 volts, AC or DC, with the ability to withstand intermittent surges up to 1,300 amps.

**NOTE:** The MCC-1 RS system can intermate with Amphenol Star-Line® and Radsok® plugs and receptacles.

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* Kellems®, is a Registered Trademark of Hubbell Inc.
**RIGPOWER CONNECTORS**

**MCC-1™ SERIES**

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### PARTS LIST

#### ORDERING TABLE FOR MCC-1 SL SINGLE POLE POWER CONNECTORS — (Rated for 1000 Volts / 1135 Amps)

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<thead>
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<th>(3)</th>
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</thead>
<tbody>
<tr>
<td><strong>RECEPTACLE GENDER &amp; STYLE CONNECTION</strong></td>
<td><strong>CRIMP CONTACT SIZES</strong></td>
<td><strong>COLOR</strong></td>
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<tr>
<td><strong>MALE RECEPTACLE CHOICES</strong></td>
<td></td>
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</tr>
<tr>
<td>17PR = SL Male Buss Bar Panel Mount Receptacle</td>
<td>4/0 = 313 MCM w/4/0 Insert</td>
<td>BK = Black</td>
</tr>
<tr>
<td>17PN = SL Male Contact Panel Mount Receptacle</td>
<td>2 = 444 MCM w/373 Insert</td>
<td>BL = Blue</td>
</tr>
<tr>
<td>Z10PR = SL Male Buss Bar Panel Mount Receptacle w/Coupling Nut</td>
<td>3 = 313 MCM</td>
<td>BR = Brown</td>
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<tr>
<td>Z10PN = SL Male Contact Panel Mount Receptacle w/Coupling Nut</td>
<td>4 = 444 MCM</td>
<td>G = Green</td>
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<td></td>
<td>5 = 535 MCM</td>
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<tr>
<td></td>
<td>6 = 646 MCM</td>
<td>OR = Orange</td>
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<tr>
<td></td>
<td>7 = 777 MCM</td>
<td>P = Purple</td>
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<td><strong>FEMALE RECEPTACLE CHOICES</strong></td>
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<tr>
<td>17SR = SL Female Buss Bar Panel Mount Receptacle</td>
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<td>17SN = SL Female Contact Panel Mount Receptacle</td>
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<td>Z10SR = SL Female Buss Bar Panel Mount Receptacle w/Coupling Nut</td>
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<tr>
<td>Z10SN = SL Female Contact Panel Mount Receptacle w/Coupling Nut</td>
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</table>

The MCC-1 RS Receptacles and Contacts are 100% intermateable with all current “Radsok” style products currently in use.

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#### ORDERING TABLE FOR MCC-1 SL PLUGS, IN-LINE RECEPTACLES & FIXED CABLE RECEPTACLES — Ordering Format: MCC1-(1)-(2)-(3)

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
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</thead>
<tbody>
<tr>
<td><strong>STYLE OF PLUG CASING</strong></td>
<td><strong>MALE &amp; FEMALE CONTACT SIZE</strong></td>
<td><strong>GROMMET</strong></td>
</tr>
<tr>
<td>10 = SL Plug</td>
<td>04/0 = SL 313 Male Contact w/4/0 Insert</td>
<td>10 = 0.750 - 0.875</td>
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<tr>
<td></td>
<td>02 = SL 444 Male Contact w/373 Insert</td>
<td>16 = 0.875 - 1.000</td>
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<tr>
<td>OR</td>
<td>03 = SL 313 Male Contact</td>
<td>18 = 1.000 - 1.125</td>
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<td></td>
<td>04 = SL 444 Male Contact</td>
<td>20 = 1.125 - 1.250</td>
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<td>05 = SL 535 Male Contact</td>
<td>22 = 1.250 - 1.375</td>
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<td></td>
<td>06 = SL 646 Male Contact</td>
<td>24 = 1.375 - 1.500</td>
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<tr>
<td>OR</td>
<td>07 = SL 777 Male Contact</td>
<td>26 = 1.500 - 1.625</td>
</tr>
<tr>
<td>15 = SL In-Line Receptacle</td>
<td>08 = SL 313 Female Contact w/4/0 Insert</td>
<td>38 = 1.625 - 1.750</td>
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<td>09 = SL 444 Female Contact w/373 Insert</td>
<td>34 = 1.750 - 1.875</td>
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<td>17 = SL Fixed Cable Receptacle</td>
<td>10 = SL 313 Female Contact</td>
<td>32 = 1.875 - 2.000</td>
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<td>11 = SL 444 Female Contact</td>
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<td></td>
<td>13 = SL 646 Female Contact</td>
<td>36 = 2.250 - 2.375</td>
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<tr>
<td></td>
<td>14 = SL 777 Female Contact</td>
<td>36 = 2.375 - 2.437</td>
</tr>
<tr>
<td>2 = 2/4/0-F = SL 4/0 Female Contact (For Two Cables)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The staff at RigPower, LLC would like to thank you for allowing us to support your electrical connectors needs!

#### ORDERING TABLE FOR MCC-1 RS SINGLE POLE POWER CONNECTORS — (Rated for 1000 Volts/1135 Amps)

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RECEPTACLE GENDER &amp; STYLE CONNECTION</strong></td>
<td><strong>CRIMP CONTACT SIZES</strong></td>
<td><strong>COLOR</strong></td>
</tr>
<tr>
<td><strong>MALE RECEPTACLE CHOICES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R17PR = RS Male Buss Bar Panel Mount Receptacle</td>
<td>4/0 = 313 MCM w/4/0 Insert</td>
<td>BK = Black</td>
</tr>
<tr>
<td>R17PN = RS Male Contact Panel Mount Receptacle</td>
<td>2 = 444 MCM w/373 Insert</td>
<td>BL = Blue</td>
</tr>
<tr>
<td>ZR10PR = RS Male Buss Bar Panel Mount Receptacle w/Coupling Nut</td>
<td>3 = 313 MCM</td>
<td>BR = Brown</td>
</tr>
<tr>
<td>ZR10PN = RS Male Contact Panel Mount Receptacle w/Coupling Nut</td>
<td>4 = 444 MCM</td>
<td>G = Green</td>
</tr>
<tr>
<td></td>
<td>5 = 535 MCM</td>
<td>5Y = Gray</td>
</tr>
<tr>
<td></td>
<td>6 = 646 MCM</td>
<td>OR = Orange</td>
</tr>
<tr>
<td></td>
<td>7 = 777 MCM</td>
<td>P = Purple</td>
</tr>
<tr>
<td><strong>FEMALE RECEPTACLE CHOICES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R17SR = RS Female Buss Bar Panel Mount Receptacle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R17SN = RS Female Contact Panel Mount Receptacle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZR10SR = RS Female Buss Bar Panel Mount Receptacle w/Coupling Nut</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZR10SN = RS Female Contact Panel Mount Receptacle w/Coupling Nut</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The MCC-1 RS Receptacles and Contacts are 100% intermateable with all current “Radsok” style products currently in use.

---

### Notes:

1. *Kellems®, is a Registered Trademark of Hubbell Inc.
2. *Radsok®, Star-line are a Registered Trademark of Amphenol Corporation
3. The MCC-1 RS Receptacles and Contacts are 100% intermateable with all current electrical connectors needs!
4. Note: Skip this section if you ordered the following receptacles: 17PR, Z10PR, RS10SR
5. Note: If you ordered the following receptacles: 444 MCM w/373 Insert

---

**Mechanical Clamp**

Has a dual holding pattern. One size for larger cables, reverse it and it accommodates smaller cables more effectively.

**Cable Grommet**

Has a tapered fit to the cable adapter and is available in fourteen sizes to ensure a proper water tight seal to the cable.

**Retaining Rings**

Heavy duty design to hold contacts and receptacles securely in place.

---

*Radsok*, Star-line are a Registered Trademark of Amphenol Corporation
*Kellems*, is a Registered Trademark of Hubbell Inc.
The MCC-1™ Series is a line of RigPower connectors designed for use in power distribution systems. The series includes single pole power spare parts, in-line receptacles, and fixed cable receptacles. The table below lists various parts and their specifications:

### MCC-1 Single Pole Power Spare Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Female Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G14</td>
<td>Grommet 14 (0.750 - 0.875)</td>
<td>MCC1-SLM4/0 MCC1 - SL 313 Male Contact w/4/0 Insert</td>
</tr>
<tr>
<td>G16</td>
<td>Grommet 16 (0.875 - 1.000)</td>
<td>MCC1-SLM2 MCC1 - SL 444 Male Contact w/373 Insert</td>
</tr>
<tr>
<td>G20</td>
<td>Grommet 20 (1.125 - 1.250)</td>
<td>MCC1-SLM3 MCC1 - SL 313 Male Contact</td>
</tr>
<tr>
<td>G22</td>
<td>Grommet 22 (1.250 - 1.375)</td>
<td>MCC1-SLM4 MCC1 - SL 444 Male Contact</td>
</tr>
<tr>
<td>G24</td>
<td>Grommet 24 (1.375 - 1.500)</td>
<td>MCC1-SLM5 MCC1 - SL 313 Male Contact</td>
</tr>
<tr>
<td>G26</td>
<td>Grommet 26 (1.500 - 1.625)</td>
<td>MCC1-SLM7 MCC1 - SL 777 Male Contact</td>
</tr>
<tr>
<td>G28</td>
<td>Grommet 28 (1.625 - 1.750)</td>
<td>MCC1-SLM8 MCC1 - SL 444 Female Contact w/373 Insert</td>
</tr>
<tr>
<td>G30</td>
<td>Grommet 30 (1.750 - 1.875)</td>
<td>MCC1-SLF2 MCC1 - RS 444 Female Contact w/373 Insert</td>
</tr>
<tr>
<td>G32</td>
<td>Grommet 32 (1.875 - 2.000)</td>
<td>MCC1-SLF3 MCC1 - RS 313 Male Contact</td>
</tr>
<tr>
<td>G34</td>
<td>Grommet 34 (2.000 - 2.125)</td>
<td>MCC1-SLF4 MCC1 - RS 444 Male Contact</td>
</tr>
<tr>
<td>G36</td>
<td>Grommet 36 (2.125 - 2.250)</td>
<td>MCC1-SLF5 MCC1 - RS 313 Male Contact</td>
</tr>
<tr>
<td>G38</td>
<td>Grommet 38 (2.250 - 2.375)</td>
<td>MCC1-SLF6 MCC1 - RS 444 Male Contact</td>
</tr>
<tr>
<td>G39</td>
<td>Grommet 39 (2.375 - 2.437)</td>
<td>MCC1-SLF7 MCC1 - RS 313 Male Contact</td>
</tr>
<tr>
<td>G62</td>
<td>Grommet 62 (2.625 - 2.812)</td>
<td>MCC1-MF1 MCC1 - RS 777 Female Contact</td>
</tr>
<tr>
<td>G64</td>
<td>Grommet 64 (2.812 - 2.875)</td>
<td>MCC1-MF2 MCC1 - RS 444 Female Contact w/373 Insert</td>
</tr>
<tr>
<td>G66</td>
<td>Grommet 66 (2.875 - 3.000)</td>
<td>MCC1-MF3 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G68</td>
<td>Grommet 68 (3.000 - 3.125)</td>
<td>MCC1-MF4 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G70</td>
<td>Grommet 70 (3.125 - 3.250)</td>
<td>MCC1-MF5 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G72</td>
<td>Grommet 72 (3.250 - 3.375)</td>
<td>MCC1-MF6 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G74</td>
<td>Grommet 74 (3.375 - 3.500)</td>
<td>MCC1-MF7 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G76</td>
<td>Grommet 76 (3.500 - 3.625)</td>
<td>MCC1-MF8 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G78</td>
<td>Grommet 78 (3.625 - 3.750)</td>
<td>MCC1-MF9 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G80</td>
<td>Grommet 80 (3.750 - 3.875)</td>
<td>MCC1-MF10 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G82</td>
<td>Grommet 82 (3.875 - 4.000)</td>
<td>MCC1-MF11 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G84</td>
<td>Grommet 84 (4.000 - 4.125)</td>
<td>MCC1-MF12 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G86</td>
<td>Grommet 86 (4.125 - 4.250)</td>
<td>MCC1-MF13 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G88</td>
<td>Grommet 88 (4.250 - 4.375)</td>
<td>MCC1-MF14 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G90</td>
<td>Grommet 90 (4.375 - 4.500)</td>
<td>MCC1-MF15 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G92</td>
<td>Grommet 92 (4.500 - 4.625)</td>
<td>MCC1-MF16 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G94</td>
<td>Grommet 94 (4.625 - 4.750)</td>
<td>MCC1-MF17 MCC1 - RS 313 Female Contact</td>
</tr>
<tr>
<td>G96</td>
<td>Grommet 96 (4.750 - 4.875)</td>
<td>MCC1-MF18 MCC1 - RS 444 Female Contact</td>
</tr>
<tr>
<td>G98</td>
<td>Grommet 98 (4.875 - 5.000)</td>
<td>MCC1-MF19 MCC1 - RS 313 Female Contact</td>
</tr>
</tbody>
</table>

### ADDITIONAL MCC-1 SUPPORT ITEMS

- **30°–45° Reversible Locking Buss Bar Lug**: The 30° or 45° Reversible Buss Bar Lug was created by RigPower to help eliminate the long bend radius that is inherent when using standard single or double hole crimp lugs. Compared to current single hole lugs, the Reversible Buss Bar Lug gives you mounting options no one else can. The lug’s shoulder rests securely on the buss bar, preventing any rotation that may be caused from the weight of the cable tension or from equipment vibration. Reducing the bend radius provides for additional work space behind the SCR house panel and other panel mounted areas.

- **Termination method is double crimp style**
- **Crimping locators are designed into the base for ease of installation**
- **Uses the same crimping die sets as the RigPower RMP™, Secure Mount®, Safe Stab®, VFD-1®, HP20™ and MC20™ series connectors**
- **Made from Duplex Sn plated high conductivity copper**

### Double Hole Lug

The industry’s most robust Lug. Machined from solid copper bar stock, not stamped.

- **Termination method is double crimp style**
- **Crimping locators are designed into the base for ease of installation**
- **Uses the same crimping die sets as the RigPower RMP™, Secure Mount®, Safe Stab®, VFD-1®, HP20™ and MC20™ series connectors**

### SPECIAL NOTE: The MCC-1 Series is also available in a #20 size shell, the MC-20 Series
The "MCC-1" Series:

- The Industry Standard For High-Amperage Power Connectors
- MCC-1 Technology Provides Superior Product Design Features
- MCC-1 O-Ring Seals Are Another Example Of Innovative Ideas Brought To Life Through RigPower’s Collaborative Meetings With Customers and Oilfield Experts
- Have An Idea? Visit With Us To Find The Solution!

Single Pole High-Amperage Connectors for Use on Land Based and Off-Shore Drilling Rigs and Other High-Amperage Power Generation Applications
For Use with Single Conductor Cables 4/0 MCM to 777 MCM

If You Want The Very Best Single Pole Electrical Connectors
Demand Genuine RigPower Electrical Parts

Look for these other fine products from RigPower:
The RMP® II Series, Secure Mount® Series, Safe Stab®,
Quick Stab®, Quad Stab™ Series, VFD-1® Series, HP20™ Series, MC20™ Series and
The Phase-Lock® Sequential Locking System