LynxPOWER passive
Mini-Line cordsets and receptacles

LynxPOWER™ Mini-Line cordsets and receptacles are designed for modular use in abusive applications where cable assemblies are exposed to constant flexing and/or dirty, oily or harsh environments.

Applications:
• Specifically designed for industrial automation applications in which power or signal connections are exposed to long-term physical stresses and subjected to liquids or oils
• Ideal for industrial manufacturing, production line equipment, packaging equipment, conveyors and assembly lines, plus food and beverage processing equipment
• Mini-Line connection points mean less downtime, easier maintenance and increased safety by replacing traditional hard wiring with a plug-and-run modular pre-wired system
• These products have excellent resistance to welding flash, hot chips and other severe conditions found in demanding manufacturing settings
• The molded-to-cable construction of the one-piece cordset ends creates a bond that is impervious to penetration from external contaminants

Features:

1. Indicating arrow for easy identification and proper alignment of keyway
2. Vibration-resistant ratchet coupler design prevents loosening in severe and high vibration applications
3. Couplers pass 1,000-hour salt spray test for exceptional corrosion resistance
4. Shroud and cork design rated for 1,200 psi hose down spray, exceeding IEC IP68 and NEMA 6P ratings
5. Gold over nickel female contact plating provides superior conductivity and corrosion resistance
6. Superior bonding receptacle to pigtail epoxy potting ensures excellent reliability by preventing pigtail pull-out
7. Mini-Line cordsets available in 2-pole through 12-pole 16 AWG cable for 6A, 7A, 8A, 10A and 13A applications
8. Internal contact support maintains pin location both pin-to-pin and pin-to-face dimensions
9. Multiple cable options available to suit nearly every industrial application
LynxPOWER passive
Mini-Line cordsets

Male and female cordsets

Features:
- Factory molded-to-cable cordsets provide quick connect capability
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime
- Vibration-resistant ratchet couplers assure cordsets stay connected under load
- Superior female contact design with stainless steel sleeve for minimal degradation
- End-to-cable molded junction securely bonds for excellent reliability
- Internal contact support maintains pin location and proper keyway alignment
- Shroud and cork design exceeds IP68 and NEMA 6P rating (rated 1,200 psi hose down spray)
- Easy stripping jacketed cable design allows fast stripping with simple hand tools; high flex copper stranding delivers improved flexibility; multiple cable options

Certifications and compliances:
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986
- CSA certified, File No. LR13963

Style I male and female plugs
- Cable options – STOOW, SOOW or SEOW (up to 5-pole)
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Zinc, nylon and stainless steel coupler options
- Meets current SAE #H1738-2 specifications

Style II male and female plugs
- Cable options – STOOW
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Aluminum coupler
- Meets current SAE #H1738-2 specifications

Style III male and female plugs
- Cable options – STOOW
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Aluminum coupler
- Meets current SAE #H1738-2 specifications
LynxPOWER passive
Mini-Line cordsets

Pin configurations and color coding:

<table>
<thead>
<tr>
<th>Female faces</th>
<th>Male faces</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pole Style I</td>
<td>2-Pole Style I</td>
</tr>
<tr>
<td>3-Pole Style I</td>
<td>3-Pole Style I</td>
</tr>
<tr>
<td>4-Pole Style I</td>
<td>4-Pole Style I</td>
</tr>
<tr>
<td>5-Pole Style I</td>
<td>5-Pole Style I</td>
</tr>
<tr>
<td>6-Pole Style I</td>
<td>6-Pole Style II</td>
</tr>
<tr>
<td>7-Pole Style II</td>
<td>8-Pole Style II</td>
</tr>
<tr>
<td>9-Pole Style III</td>
<td>10-Pole Style III</td>
</tr>
<tr>
<td>12-Pole Style III</td>
<td></td>
</tr>
</tbody>
</table>

Conductor color coding:

<table>
<thead>
<tr>
<th>Part number example</th>
<th>ML4A4WC120F</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML</td>
<td>4</td>
</tr>
<tr>
<td>A</td>
<td>4WC</td>
</tr>
<tr>
<td>120F</td>
<td></td>
</tr>
</tbody>
</table>

Ordering information:

Part number example:
ML4A4WC120F

- **Product type**: ML Mini-Line cordset
- **Number of poles**: 12, Style III
- **Plug gender and configuration**:
  - **A**: Male, straight plug, internal thread, pigtail
  - **C**: Female, straight plug, internal thread, pigtail
  - **D**: Male, 90° plug, internal thread, pigtail
  - **F**: Female, 90° plug, internal thread, pigtail
  - **G**: Male, 90° plug to female, straight plug
  - **J**: Male, 90° plug to female, 90° plug
  - **P**: Male, straight plug to female, straight plug
  - **S**: Male, straight plug to female, 90° plug

Cable specifications:

- **4WC**: 16 AWG STOOW – U.S. std. color code
- **4AC**: 16 AWG SEOW – U.S. std. color code
- **4SC**: 16 AWG SDOW – U.S. std. color code

Special features:

- **BLANK**: Standard zinc alloy or aluminum coupler
- **X**: Stainless steel coupler
- **Y**: Nylon coupler

This option is not part of the standard product offering and is considered to be made to order. Please contact Customer Service for ordering information and lead time.

Available in 3-pole to 5-pole, Style I configuration as a standard product offering.

Style I only.
LynxPOWER passive
Mini-Line receptacles

Male and female receptacles

Features:
• Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
• Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime
• Compact space saving receptacle bodies
• Superior female contact design with stainless steel sleeve for minimal degradation
• Receptacle-to-pigtail potting bonds securely for excellent reliability
• Internal contact support maintains pin location and proper keyway alignment
• Shroud and cork design exceeds IP68 and NEMA 6P rating (rated 1,200 psi hose down spray)

Certifications and compliances:
• NEMA 1, 3, 4, 6P, 13
• IEC IP68
• UL Listed 2238, File No. E468986
• CSA certified, File No. LR13963

Style I male and female receptacles
• Cable options – PVC single conductor flying leads
• 1/8”-14 NPT mounting threads
• Zinc, nylon and stainless steel shell options
• Meets current SAE #H1738-2 specifications

Style II male and female receptacles
• Cable options – PVC single conductor flying leads
• 1/8”-14 NPT mounting threads
• Aluminum shell
• Meets current SAE #H1738-2 specifications

Style III male and female receptacles
• Cable options – PVC single conductor flying leads
• 1/8”-14 NPT mounting threads
• Aluminum shell
• Meets current SAE #H1738-2 specifications

Certifications and compliances:
• NEMA 1, 3, 4, 6P, 13
• IEC IP68
• UL Listed 2238, File No. E468986
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Certifications and compliances:
• NEMA 1, 3, 4, 6P, 13
• IEC IP68
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• CSA certified, File No. LR13963

Style 2, with Machined Aluminum Shell and MTW or AWM style 1015/1230 Leads
Stainless Steel Shell also available

Receptacle

Receptacle

Receptacle

2-pole: 13A; 3-pole: 13A; 4-pole: 10A; 5-pole: 8A; 6-pole: 6A
2, 3, 4, 5, 6 conductor 16 AWG U.S. standard color code

6-pole: 8A; 7-pole: 7A; 8-pole: 7A; 6, 7, 8 conductor 16 AWG U.S. standard color code

9-pole: 7A; 10-pole: 7A; 12-pole: 7A
9, 10, 12 conductor 16 AWG U.S. standard color code
LynxPOWER passive
Mini-Line receptacles

NEMA 1, 3, 4, 6P, 13
IP68

Pin configurations and color coding:

<table>
<thead>
<tr>
<th>Female faces</th>
<th>Male faces</th>
<th>Conductor color coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pole</td>
<td>2-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style I</td>
<td>Style I</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>3-Pole</td>
<td>3-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style I</td>
<td>Style I</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>4-Pole</td>
<td>4-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style I</td>
<td>Style I</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>5-Pole</td>
<td>5-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style I</td>
<td>Style I</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>6-Pole</td>
<td>6-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style I</td>
<td>Style I</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>7-Pole</td>
<td>7-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style II</td>
<td>Style II</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>8-Pole</td>
<td>8-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style II</td>
<td>Style II</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>9-Pole</td>
<td>9-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style III</td>
<td>Style III</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>10-Pole</td>
<td>10-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style III</td>
<td>Style III</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>12-Pole</td>
<td>12-Pole</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
<tr>
<td>Style III</td>
<td>Style III</td>
<td>Standard: 1. WHT, 2. BLK</td>
</tr>
</tbody>
</table>

Ordering information:

Part number example
MR4F4BC100A

- **MR**
- **4**
- **F**
- **4BC**
- **100A**

**Product type**
- **MR** Mini-Line receptacle

**Number of poles**
- 2: 2, Style I
- 3: 3, Style I
- 4: 4, Style I
- 5: 5, Style I
- 6: 6, Style I
- 7: 7, Style II
- 8: 8, Style II
- 9: 9, Style III
- A: 10, Style III
- C: 12, Style III

**Cable specifications**
- **4BC** 16 AWG single conductor PVC –
  U.S. std. color code

**Receptacle gender and configuration**
- **E** Male receptacle, external thread, \(\frac{1}{2}\)-14 NPT
- **F** Female receptacle, external thread, \(\frac{1}{2}\)-14 NPT
- **H** Male 90° receptacle, external thread, \(\frac{1}{2}\)-14 NPT

**Length**
- **100A** 10 inches

**Special features**
- **BLANK** Standard zinc alloy or aluminum shell
- **X** Stainless steel shell
- **Y** Nylon shell

- This option is not part of the standard product offering and is considered to be made to order. Please contact Customer Service for ordering information and lead time.
- Style I only.
LynxPOWER passive Mini-Line tees and accessories

**Tees and field attachables**

**Features:**
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; reduces installation time and lessens the need for special tools
- Factory molded tees offer quick and easy circuit branching options
- Field attachable connectors allow users to create custom cable lengths using their own cable

**Certifications and compliances:**
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

**Style I tees**
- Male and female plug connectivity
- Available with molded drop cable
- Black and gray molded body options
- Zinc coupler
- IP68

**Style I field attachables**
- Field attachables feature an impact-resistant PVC body
- Provide IP67 environmental protection
- Nickel-plated brass coupler provides easy to use, durable connection
LynxPOWER passive Mini-Line tees and accessories

Ordering information – tees:

Part number example
MT4RC4R

<table>
<thead>
<tr>
<th>MT</th>
<th>4</th>
<th>RC</th>
<th>4</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product type</strong></td>
<td><strong>Number of poles</strong></td>
<td><strong>Gender and configuration</strong></td>
<td><strong>Wire gauge</strong></td>
<td><strong>Drop key position</strong></td>
</tr>
<tr>
<td>MT</td>
<td>3, 3, Style I</td>
<td>R</td>
<td>4, 16 AWG</td>
<td>R</td>
</tr>
<tr>
<td>MT</td>
<td>4, 4, Style I</td>
<td>Key toward female</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ordering information – field attachables:

Part number example
MF3B1

<table>
<thead>
<tr>
<th>MF</th>
<th>3</th>
<th>B</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product type</strong></td>
<td><strong>Number of poles</strong></td>
<td><strong>Gender and configuration</strong></td>
<td><strong>Cable range</strong></td>
</tr>
<tr>
<td>MF</td>
<td>3, 3, Style I</td>
<td>B</td>
<td>0.20 - 0.48”</td>
</tr>
<tr>
<td>MF</td>
<td>4, 4, Style I</td>
<td>C</td>
<td></td>
</tr>
</tbody>
</table>

Ordering information – passive accessories:

Cap with external threads

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1MC</td>
<td>ML1 cap for Style I plugs</td>
</tr>
</tbody>
</table>

Cap with internal threads

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1FC</td>
<td>ML1 cap for Style II receptacles</td>
</tr>
</tbody>
</table>
LynxPOWER passive
Mini-Line 4-port plex boxes

Features:
• Allow for consolidation of signal into one cable, reducing the number of cables needed
• PNP wiring configuration with LED indicator lights
• 4-port and 8-port output options standard

Certifications and compliances:
• NEMA 1, 3, 4, 6P, 13
• IEC IP68
• UL recognized, cURus File No. E169897
• CSA certified, File No. LR13963

Ordering information:

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>No. of ports</th>
<th>Output port gender</th>
<th>Output port no. of holes</th>
<th>Wiring configuration</th>
<th>Input port gender</th>
<th>Input port no. of holes</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP4FA000</td>
<td>4</td>
<td>Female</td>
<td>3</td>
<td>Parallel</td>
<td>Male</td>
<td>6</td>
<td>600 VAC</td>
</tr>
<tr>
<td>MP4FC000</td>
<td>4</td>
<td>Female</td>
<td>3</td>
<td>PNP</td>
<td>Male</td>
<td>6</td>
<td>120 VAC</td>
</tr>
</tbody>
</table>

Dimensions:

DC single key pin configurations and color coding:
LynxPOWER passive Mini-Line 8-port plex boxes

Features:
- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

Certifications and compliances:
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

Ordering information:

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>No. of ports</th>
<th>Output port gender</th>
<th>Output port no. of holes</th>
<th>Wiring configuration</th>
<th>Input port gender</th>
<th>Input port no. of holes</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPSFA000</td>
<td>8</td>
<td>Female</td>
<td>3</td>
<td>Parallel</td>
<td>Male</td>
<td>10</td>
<td>600 VAC</td>
</tr>
<tr>
<td>MPSFC000</td>
<td>8</td>
<td>Female</td>
<td>3</td>
<td>PNP</td>
<td>Male</td>
<td>10</td>
<td>120 VAC</td>
</tr>
</tbody>
</table>

Dimensions:

DC single key pin configurations and color coding:

Female faces
- 3-Pole Style I

Male faces
- 3-Pole Style I

Conductor color coding
- Standard
  1. GRN
  2. BLK
  3. WHT
LynxPOWER passive
Micro-Mini cordsets and receptacles

Applications:
- Specifically designed for industrial automation applications that expose signal connections to constant flexing and vibration, plus contaminants, hot chips or welding flash
- Ideal for industrial manufacturing, production line equipment, pick-and-place machines and robotic equipment and processing sensors
- Designed specifically for low amperage AC or DC control systems, compatible with pin configurations used by major sensor manufacturers in the U.S. and Europe, and meet current SAE H1738-2 and IEC 60176-2-101 specifications
- The molded-to-cable construction of the one-piece cordset ends creates a bond that is impervious to penetration from external contaminants
- Receptacle shells are made from materials chosen to mate with Micro-Mini cordsets and provide a cable assembly with far superior service

Features:
1. Indicating arrow for easy identification and proper alignment of keyway
2. Vibration-resistant ratchet coupler design prevents loosening in severe and high vibration applications
3. Couplers pass 1,000-hour salt spray test for exceptional corrosion resistance
4. Heavy duty contact insert provides superior strength for even the most abusive applications
5. Gold over nickel female contact plating provides superior conductivity and corrosion resistance
6. Superior bonding receptacle-to-pigtail epoxy potting ensures excellent reliability by preventing pigtail pull-out
7. Multiple cable options available to suit nearly every industrial application
8. Micro-Mini cordsets available in 3-pole through 6-pole 18 or 22 AWG cable for 3A, 4A and 5A applications
LynxPOWER passive micro-mini cordsets

**Male and female cordsets**

**Features:**
- Designed for low amperage control systems in abusive manufacturing environments
- Factory molded-to-cable ends provide quick connect capability
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness
- Vibration-resistant ratchet couplers assure cordsets stay coupled under load
- Contact inserts securely bonded in place with a proprietary process; superior side load strength is in excess of 100 lbs., five times industry standards
- End-to-cable molded junction securely bonds for excellent reliability
- Gold plated contacts provide superior conductivity and corrosion resistance
- Easy stripping jacketed cable with “fillerless” design allows fast stripping with simple hand tools; high flex copper stranding delivers improved flexibility; multiple cable type options

**AC dual key male and female plugs**

- Cable options – PVC (UR AWG Style 2661)
- Straight and right angle body designs
- Vibrationproof ratchet coupler design
- Zinc coupler
- Meets current SAE #H1738-2 specifications

**Certifications and compliances:**
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986
- CSA certified, File No. LR13963

**AC dual key pin configurations and color coding:**

<table>
<thead>
<tr>
<th>Female faces</th>
<th>Male faces</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Pole Dual Key AC</td>
<td>3-Pole Dual Key AC</td>
</tr>
<tr>
<td>4-Pole Dual Key AC</td>
<td>4-Pole Dual Key AC</td>
</tr>
<tr>
<td>5-Pole Dual Key AC</td>
<td>5-Pole Dual Key AC</td>
</tr>
<tr>
<td>6-Pole Dual Key AC</td>
<td>6-Pole Dual Key AC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Pole Dual Key AC</td>
<td>1. RED/WHT 2. RED 3. GRN 4. RED/YEL 5. RED/BLK 6. RED/BLU</td>
<td></td>
</tr>
<tr>
<td>4-Pole Dual Key AC</td>
<td>1. RED/WHT 2. RED 3. GRN 4. RED/YEL 5. RED/BLK 6. RED/BLU</td>
<td></td>
</tr>
<tr>
<td>5-Pole Dual Key AC</td>
<td>1. RED/WHT 2. RED 3. GRN 4. RED/YEL 5. RED/BLK 6. RED/BLU</td>
<td></td>
</tr>
<tr>
<td>6-Pole Dual Key AC</td>
<td>1. RED/WHT 2. RED 3. GRN 4. RED/YEL 5. RED/BLK 6. RED/BLU</td>
<td></td>
</tr>
</tbody>
</table>
LynxPOWER passive
Micro-Mini cordsets

DC single key

Male and female cordsets

Features:
- Designed for low amperage control systems in abusive manufacturing environments
- Factory molded-to-cable ends provide quick connect capability
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
- Environmentally sealed ends rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness
- Vibration-resistant ratchet couplers assure cordsets stay coupled under load
- Contact inserts securely bonded in place with a proprietary process; superior side load strength is in excess of 100 lbs., five times industry standards
- End-to-cable molded junction securely bonds for excellent reliability
- Gold plated contacts provide superior conductivity and corrosion resistance
- Easy stripping jacketed cable design allows fast stripping with simple hand tools; high flex copper stranding delivers improved flexibility; multiple cable type options

DC single key (M12) male and female plugs
- Cable options – PVC (UR AWM Style 2661)
- Straight and right angle body designs
- Vibration proof ratchet coupler design
- Zinc coupler
- Meets current IEC 61076-2-101 specifications

Micro DIN pin configurations and color coding:

<table>
<thead>
<tr>
<th>Female faces</th>
<th>3-Pole DC Single Key Female</th>
<th>4-Pole DC Single Key Female</th>
<th>5-Pole DC Single Key Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor color coding</td>
<td>Euro DC</td>
<td>1. BRN</td>
<td>2. N/C</td>
</tr>
<tr>
<td></td>
<td>1. BRN</td>
<td>2. N/C</td>
<td>3. BLU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Male faces</th>
<th>3-Pole DC Single Key Male</th>
<th>4-Pole DC Single Key Male</th>
<th>5-Pole DC Single Key Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor color coding</td>
<td>Euro DC</td>
<td>1. BRN</td>
<td>2. N/C</td>
</tr>
<tr>
<td></td>
<td>1. BRN</td>
<td>2. N/C</td>
<td>3. BLU</td>
</tr>
</tbody>
</table>

Certifications and compliances:
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL Listed 2238, File No. E468986

DM3B2ME010M
DC single key male plug
DM3C2ME010M
DC single key female plug
Ordering information – AC dual key cordsets:

Part number example
AM4B2MG010M

<table>
<thead>
<tr>
<th>AM</th>
<th>4</th>
<th>B</th>
<th>2MG</th>
<th>010M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product type</td>
<td>Cable specifications</td>
<td>Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM Micro-Mini AC cordset</td>
<td>2MG 22 AWG PVC – U.S. AC color code</td>
<td>010M 1 meter</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>3MG 18 AWG PVC – U.S. AC color code</td>
<td>020M 2 meters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td></td>
<td>030M 3 meters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3-pole</td>
<td></td>
<td>050M 5 meters</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4-pole</td>
<td></td>
<td>100M 10 meters</td>
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<td>5</td>
<td>5-pole</td>
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<td></td>
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</tr>
<tr>
<td>6</td>
<td>6-pole</td>
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</tr>
<tr>
<td>Plug gender and configuration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B Male, straight plug, external thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C Female, straight plug, internal thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E Male, 90° plug, external thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F Female, 90° plug, internal thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H Male, 90° plug to female, straight plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K Male, 90° plug to female, 90° plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R Male, straight plug to female, straight plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T Male, straight plug to female, 90° plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ordering information – DC single key cordsets:

Part number example
DM4B2ME010M

<table>
<thead>
<tr>
<th>DM</th>
<th>4</th>
<th>B</th>
<th>2ME</th>
<th>010M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product type</td>
<td>Cable specifications</td>
<td>Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DM Micro-Mini DC cordset</td>
<td>2ME 22 AWG PVC – Euro DC color code</td>
<td>010M 1 meter</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3ME 18 AWG PVC – Euro DC color code</td>
<td>020M 2 meters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td></td>
<td>030M 3 meters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3-pole</td>
<td></td>
<td>050M 5 meters</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4-pole</td>
<td></td>
<td>100M 10 meters</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5-pole</td>
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<td></td>
</tr>
<tr>
<td>Plug gender and configuration</td>
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<tr>
<td>B Male, straight plug, external thread, pigtail</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>C Female, straight plug, internal thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E Male, 90° plug, external thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F Female, 90° plug, internal thread, pigtail</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H Male, 90° plug to female, straight plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K Male, 90° plug to female, 90° plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R Male, straight plug to female, straight plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T Male, straight plug to female, 90° plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*This option is not part of the standard product offering and is considered to be made to order. Please contact Customer Service for ordering information and lead time.*
LynxPOWER passive
Micro-Mini receptacles
AC dual key

Male and female receptacles

Features:
• Designed for low amperage AC control systems in abusive manufacturing environments
• Available in straight designs with standard color coding in AWM/MTW Style 1430/1569 leads
• Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
• Environmentally sealed connectors rated at IP68 to prevent the ingress of dust, water and other contaminants to reduce maintenance and downtime; internal gasket assures watertightness
• Contact inserts securely bonded in place with a proprietary process
• Receptacle-to-pigtail potting bonds securely for excellent reliability
• Gold over nickel-plated contacts provide superior conductivity and corrosion resistance
• Internal contact support maintains pin location and proper keyway alignment
• Internal gasket assures watertight performance to IP68 and NEMA 6P ratings

AC dual key male and female receptacles
• Cable options – PVC single conductor flying leads
• ½”-14 NPT mounting threads
• Aluminum shell
• Meets current SAE #H1738-2 specifications

AC dual key pin configurations and color coding:

Female faces

<table>
<thead>
<tr>
<th>Conductors</th>
<th>3-Pole Dual Key AC</th>
<th>4-Pole Dual Key AC</th>
<th>5-Pole Dual Key AC</th>
<th>6-Pole Dual Key AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color coding</td>
<td>1. GRN</td>
<td>1. GRN</td>
<td>1. GRN</td>
<td>1. GRN</td>
</tr>
<tr>
<td></td>
<td>2. RED/BLK</td>
<td>2. RED/BLK</td>
<td>2. RED/BLK</td>
<td>2. RED/BLK</td>
</tr>
<tr>
<td></td>
<td>3. RED/WHT</td>
<td>3. RED/WHT</td>
<td>3. RED/WHT</td>
<td>3. RED/WHT</td>
</tr>
<tr>
<td></td>
<td>4. RED</td>
<td>4. RED</td>
<td>4. RED</td>
<td>4. RED</td>
</tr>
<tr>
<td></td>
<td>5. GRN</td>
<td>5. GRN</td>
<td>5. GRN</td>
<td>5. GRN</td>
</tr>
<tr>
<td></td>
<td>6. RED/YEL</td>
<td>6. RED/YEL</td>
<td>6. RED/YEL</td>
<td>6. RED/YEL</td>
</tr>
<tr>
<td></td>
<td>7. RED/BLK</td>
<td>7. RED/BLK</td>
<td>7. RED/BLK</td>
<td>7. RED/BLK</td>
</tr>
<tr>
<td></td>
<td>8. RED/BLU</td>
<td>8. RED/BLU</td>
<td>8. RED/BLU</td>
<td>8. RED/BLU</td>
</tr>
</tbody>
</table>

Male faces

<table>
<thead>
<tr>
<th>Conductors</th>
<th>3-Pole Dual Key AC</th>
<th>4-Pole Dual Key AC</th>
<th>5-Pole Dual Key AC</th>
<th>6-Pole Dual Key AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color coding</td>
<td>1. GRN</td>
<td>1. GRN</td>
<td>1. GRN</td>
<td>1. GRN</td>
</tr>
<tr>
<td></td>
<td>2. RED/BLK</td>
<td>2. RED/BLK</td>
<td>2. RED/BLK</td>
<td>2. RED/BLK</td>
</tr>
<tr>
<td></td>
<td>3. RED/WHT</td>
<td>3. RED/WHT</td>
<td>3. RED/WHT</td>
<td>3. RED/WHT</td>
</tr>
<tr>
<td></td>
<td>4. RED</td>
<td>4. RED</td>
<td>4. RED</td>
<td>4. RED</td>
</tr>
<tr>
<td></td>
<td>5. GRN</td>
<td>5. GRN</td>
<td>5. GRN</td>
<td>5. GRN</td>
</tr>
<tr>
<td></td>
<td>6. RED/YEL</td>
<td>6. RED/YEL</td>
<td>6. RED/YEL</td>
<td>6. RED/YEL</td>
</tr>
<tr>
<td></td>
<td>7. RED/BLK</td>
<td>7. RED/BLK</td>
<td>7. RED/BLK</td>
<td>7. RED/BLK</td>
</tr>
<tr>
<td></td>
<td>8. RED/BLU</td>
<td>8. RED/BLU</td>
<td>8. RED/BLU</td>
<td>8. RED/BLU</td>
</tr>
</tbody>
</table>

Certifications and compliances:
• UL recognized, cURus, File No. E169897
LynxPOWER passive
Micro-Mini receptacles
DC single key

**Male and female receptacles**

**Features:**
- Designed for low amperage AC control systems in abusive manufacturing environments
- Available in straight designs with standard color coding in AWM/MTW Style 1430/1569 leads
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools
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- Contact inserts securely bonded in place with a proprietary process
- Receptacle-to-pigtail potting bonds securely for excellent reliability
- Gold over nickel-plated contacts provide superior conductivity and corrosion resistance
- Internal contact support maintains pin location and proper keyway alignment
- Internal gasket assures watertight performance to IP68 and NEMA 6P ratings

**DC DIN male and female receptacles**
- Cable options – PVC single conductor flying leads
- 1/8”-14 NPT mounting threads available
- Aluminum shell
- Meets current IEC 61076-2-101 specifications

**DC DIN pin configurations and color coding:**

**Female faces**

<table>
<thead>
<tr>
<th>3-Pole DC Single Key Female</th>
<th>4-Pole DC Single Key Female</th>
<th>5-Pole DC Single Key Female</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conductor color coding</strong></td>
<td><strong>Conductor color coding</strong></td>
<td><strong>Conductor color coding</strong></td>
</tr>
<tr>
<td>1. BRN</td>
<td>1. BRN</td>
<td>1. BRN</td>
</tr>
<tr>
<td>2. N/C</td>
<td>2. WHT</td>
<td>2. WHT</td>
</tr>
<tr>
<td>3. BLU</td>
<td>3. BLU</td>
<td>3. BLU</td>
</tr>
<tr>
<td>4. BLK</td>
<td>4. BLK</td>
<td>4. BLK</td>
</tr>
<tr>
<td>5. N/C</td>
<td>5. N/C</td>
<td>5. N/C</td>
</tr>
</tbody>
</table>

**Male faces**

<table>
<thead>
<tr>
<th>3-Pole DC Single Key Male</th>
<th>4-Pole DC Single Key Male</th>
<th>5-Pole DC Single Key Male</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conductor color coding</strong></td>
<td><strong>Conductor color coding</strong></td>
<td><strong>Conductor color coding</strong></td>
</tr>
<tr>
<td>1. BRN</td>
<td>1. BRN</td>
<td>1. BRN</td>
</tr>
<tr>
<td>2. N/C</td>
<td>2. WHT</td>
<td>2. WHT</td>
</tr>
<tr>
<td>3. BLU</td>
<td>3. BLU</td>
<td>3. BLU</td>
</tr>
<tr>
<td>4. BLK</td>
<td>4. BLK</td>
<td>4. BLK</td>
</tr>
<tr>
<td>5. N/C</td>
<td>5. N/C</td>
<td>5. N/C</td>
</tr>
</tbody>
</table>

**Certifications and compliances:**
- UL recognized, cURus, File No. E169897

**3-pole: 4A; 4-pole: 4A; 5-pole: 4A, 300 VDC**

2, 3, 4, 5, 6 conductor 18 & 22 AWG U.S. AC color code
LynxPOWER passive
Micro-Mini receptacles

Ordering information – AC dual key receptacles:

Part number example
AR4D2CG120A

<table>
<thead>
<tr>
<th>Product type</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR Micro-Mini AC receptacle</td>
<td>D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>2CG</th>
<th>120A</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3-pole</td>
<td>Length</td>
</tr>
<tr>
<td>4</td>
<td>4-pole</td>
<td>12 inches</td>
</tr>
<tr>
<td>5</td>
<td>5-pole</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>6-pole</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cable specifications</th>
<th>120A</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CG 22 AWG single conductor PVC – U.S. AC color code</td>
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</tr>
<tr>
<td>3CG 18 AWG single conductor PVC – U.S. AC color code</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Receptacle gender and configuration</th>
<th>120A</th>
</tr>
</thead>
<tbody>
<tr>
<td>D Female receptacle, internal thread, ⅜-14 NPT</td>
<td></td>
</tr>
<tr>
<td>E Male receptacle, external thread, ⅜-14 NPT</td>
<td></td>
</tr>
</tbody>
</table>

Ordering information – DC single key receptacles:

Part number example
DR4D2CE003M

<table>
<thead>
<tr>
<th>Product type</th>
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<tbody>
<tr>
<td>DR Micro-Mini DC receptacle</td>
<td>D</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>2CE</th>
<th>003M</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3-pole</td>
<td>Length</td>
</tr>
<tr>
<td>4</td>
<td>4-pole</td>
<td>0.3 meters</td>
</tr>
<tr>
<td>5</td>
<td>5-pole</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cable specifications</th>
<th>003M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CE 22 AWG single conductor PVC – Euro DC color code</td>
<td></td>
</tr>
<tr>
<td>3CE 18 AWG single conductor PVC – Euro DC color code</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Receptacle gender and configuration</th>
<th>003M</th>
</tr>
</thead>
<tbody>
<tr>
<td>D Female receptacle, internal thread, ⅜-14 NPT</td>
<td></td>
</tr>
<tr>
<td>E Male receptacle, external thread, ⅜-14 NPT</td>
<td></td>
</tr>
</tbody>
</table>
LynxPOWER passive Micro-Mini tees

AC dual key and DC single key tees

Features:
• Factory molded tees offer quick and easy circuit branching options, eliminating the need for hard wired boxes
• Tees are available with molded-to-cable drops as well as molded wiring harnesses with multiple drops
• Compact body reduces the overall connectivity footprint
• Flexible gender configurations allow the user to customize the product to fit their application

Certifications and compliances:
• NEMA 1, 3, 4, 6P, 13
• IEC IP68
• UL recognized, cURus File No. E169897
• CSA certified, File No. LR13963

AC dual key tapping tees
• Standard and low profile configurations
• 300V 105°C
• Epoxy coated zinc die cast hardware
• Meets current SAE #H1738-2 specifications
• Vibration-resistant ratchet design (die cast coupler)

DC single key tapping tees
• 300V 105°C
• Black epoxy coated hardware
• Meets current SAE #H1738-2 specifications
• Vibration-resistant ratchet design (die cast coupler)

AC dual key pin configurations and color coding:

<table>
<thead>
<tr>
<th>Female faces</th>
<th>Male faces</th>
<th>Conductor color coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Pole Dual Key AC Female</td>
<td>3-Pole Dual Key AC Male</td>
<td>Standard 1. GRN 2. RED/BLK 3. RED/WHT</td>
</tr>
</tbody>
</table>

DC single key pin configurations and color coding:

<table>
<thead>
<tr>
<th>Female faces</th>
<th>Male faces</th>
<th>Conductor color coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Pole DC Single Key Female</td>
<td>3-Pole DC Single Key Male</td>
<td>Euro DC 1. BRN 2. N/C 3. BLU 4. BLK 5. N/C</td>
</tr>
</tbody>
</table>
LynxPOWER passive
Micro-Mini accessories

DC single key field attachables

Features:
- Field attachable connectors allow users to quickly repair damaged molded cordsets
- Allow users to create custom cordset lengths using their own cable
- Optional 316 stainless steel couplers support food and beverage applications
- Easy to use set screw terminals provide secure conductor to contact termination

Certifications and compliances:
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897

DC single key field attachable
- PG7 and PG9 thread (grommet) sizes
- Female and male in-line versions
- Straight configuration
- Terminal screw attachments
- Meets current SAE #H1738-2 specifications

DC single key pin configurations and color coding:

<table>
<thead>
<tr>
<th>Female faces</th>
<th>Male faces</th>
<th>Conductor color coding</th>
<th>Euro DC</th>
<th>Euro DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-Pole DC Single Key Female</td>
<td>5-Pole DC Single Key Female</td>
<td>1. BRN</td>
<td>1. BRN</td>
<td></td>
</tr>
<tr>
<td>6-Pole DC Single Key Male</td>
<td>5-Pole DC Single Key Male</td>
<td>2. WHT</td>
<td>2. WHT</td>
<td></td>
</tr>
<tr>
<td>6-Pole DC Single Key Male</td>
<td>5-Pole DC Single Key Male</td>
<td>3. BLU</td>
<td>3. BLU</td>
<td></td>
</tr>
<tr>
<td>6-Pole DC Single Key Male</td>
<td>5-Pole DC Single Key Male</td>
<td>4. BLK</td>
<td>4. BLK</td>
<td></td>
</tr>
<tr>
<td>6-Pole DC Single Key Male</td>
<td>5-Pole DC Single Key Male</td>
<td>5. N/C</td>
<td>5. GRY</td>
<td></td>
</tr>
</tbody>
</table>

DC single key pin configurations:
- 4-Pole: 4A, 300V
- 5-Pole: 3A, 300V

Ordering information – field attachables:

Part number example
DF4B1

Product type
DF Micro-Mini DC field attachable

Number of poles
4 4-pole
5 5-pole

Gender and configuration
B Male in-line, external thread, straight
C Female, internal thread, straight

Cable range
1 4-6mm (PG7)
2 6-8mm (PG9)

Ordering information – accessories:

DC single key caps

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMC</td>
<td>Cap for Micro-Mini AC single key, male, internal thread</td>
</tr>
<tr>
<td>DFC</td>
<td>Cap for Micro-Mini AC single key, female, external thread</td>
</tr>
</tbody>
</table>
LynxPOWER passive
Micro-Mini 4-port plex boxes

Features:
- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

Certifications and compliances:
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

Ordering information:

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>No. of ports</th>
<th>Output port gender</th>
<th>Output port no. of holes</th>
<th>Wiring configuration</th>
<th>Input port gender</th>
<th>Input port no. of holes</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMDT4F4A002ML</td>
<td>4</td>
<td>Female</td>
<td>4</td>
<td>Parallel</td>
<td>Male</td>
<td>12</td>
<td>300 VDC</td>
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<tr>
<td>MMDT4F4C002ML</td>
<td>4</td>
<td>Female</td>
<td>4</td>
<td>PNP</td>
<td>Male</td>
<td>12</td>
<td>10-30 VDC</td>
</tr>
</tbody>
</table>

Dimensions:

DC single key pin configurations and color coding:
LynxPOWER passive
Micro-Mini 8-port plex boxes

Features:
- Allow for consolidation of signal into one cable, reducing the number of cables needed
- PNP wiring configuration with LED indicator lights
- 4-port and 8-port output options standard

Certifications and compliances:
- NEMA 1, 3, 4, 6P, 13
- IEC IP68
- UL recognized, cURus File No. E169897
- CSA certified, File No. LR13963

Ordering information:

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>No. of ports</th>
<th>Output port gender</th>
<th>Output port no. of holes</th>
<th>Wiring configuration</th>
<th>Input port gender</th>
<th>Input port no. of holes</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMDT8F4A002ML</td>
<td>8</td>
<td>Female</td>
<td>4</td>
<td>Parallel</td>
<td>Male</td>
<td>12</td>
<td>300 VDC</td>
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<tr>
<td>MMDT8F4C002ML</td>
<td>8</td>
<td>Female</td>
<td>4</td>
<td>PNP</td>
<td>Male</td>
<td>12</td>
<td>10-30 VDC</td>
</tr>
</tbody>
</table>

Dimensions:

DC single key pin configurations and color coding:

Female faces
4-Pole DC Single Key Female

Male faces
4-Pole DC Single Key Male

Conductor color coding
- Euro DC
  1. BRN
  2. WHT
  3. BLU
  4. BLK
  5. N/C

Gender
- Female
- Male

Input port
- No. of ports
- Male input port
- Female input port

Voltage
- 4-Pole input port
- Male output port
- Female output port

Certifications
- CSA certified, File No. LR13963
- IEC IP68
- NEMA 1, 3, 4, 6P, 13