ENP Plugs for Ark•Gard®
ENR Receptacles and
ENC Connectors

Applications:
ENP plugs are used:
- With portable electrical equipment such as compressors, tools, lighting systems, and similar devices
- In areas made hazardous by the presence of flammable vapors and gases or combustible dusts
- Wherever portable electrical equipment is likely to be transferred from hazardous to non-hazardous areas
- In damp and corrosive areas
- When power requirements do not exceed 20 amperes
- Where general purpose application is required

Certifications and Compliances:
- NEC:
  - Class I, Division 1 and 2, Groups B, C, D
  - Class II, Division 1 and 2, Groups F, G
  - Class III
- ANSI/UL Standard 1010
- NEMA/EEMAC 3, 7BCD, 9FG
- CEC:
  - Class I, Division 1 and 2, Groups B, C, D
  - Class II, Division 1 and 2, Group G
  - Class III

Standard Materials:
- Plug body – die cast copper-free
- Interior – nylon 100
- Contacts – brass
- Plug bushing – neoprene

Ordering Information:

<table>
<thead>
<tr>
<th>Plug Rating</th>
<th>NEMA Config.</th>
<th>Cat. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Amp 125 Volt</td>
<td></td>
<td>ENP5151</td>
</tr>
<tr>
<td>15 Amp 250 Volt</td>
<td></td>
<td>ENP6152</td>
</tr>
<tr>
<td>20 Amp 125 Volt</td>
<td></td>
<td>ENP5201</td>
</tr>
<tr>
<td>20 Amp 250 Volt</td>
<td></td>
<td>ENP6202</td>
</tr>
</tbody>
</table>

Grounding:
- NEC Article 501 and CEC Section 18 requires that metal frames or exposed non-current-carrying metal parts of portable devices used in hazardous locations be grounded through an extra conductor in the portable cord. ENR Receptacles and ENP Plugs are provided with an extra grounding pole.

CAUTION: To reduce the risk of ignition of hazardous atmospheres, do not use plugs or receptacles in Class II, Group F locations that contain electrically conductive dusts.

Standard Finishes:
- Copper-free aluminum – aluminum acrylic paint
- Brass – natural

Electrical Rating Ranges:
- Plugs:
  - 15 amperes; 125 VAC and 250 VAC, 50–400 hertz
  - 20 amperes; 125 VAC and 250 VAC, 50–400 hertz

Dimensions
In Inches:
Ark•Gard® Premier Series:
- The premier line of ENR Receptacles (M4) come equipped with exclusive features that increase the life of the product, reduce maintenance costs, and eliminate the need to purchase costly replacement parts. There is no other product offering on the market today that comes equipped with time-saving saddle clamp terminals or the added safety of a lockout/tagout hole. The premier ENR Receptacle Series is the ideal solution for applications where increased safety and reliability are critical.

Ark•Gard® Value Series:
- The value line of ENR Receptacles is the ideal solution for rugged and industrial NEMA configured applications up to 20 amperes. Like the premier line, this product comes equipped with built-in safety features that reject standard NEMA configuration plugs that could cause an arc in hazardous areas.

**FEATURES AND BENEFITS - Premier Solution (M4)**

- **Gasketed Screw Cap Cover Design:**
  - Offers superior protection from harsh environments for increased product life
  - Eliminates the need to purchase a separate environmental cover for added protection

- **Spring-Loaded Sliding Key Offers Increased Safety:**
  - Rejects standard NEMA/EEMAC configuration plugs that could cause an arc in a hazardous area.
  - Also prevents the receptacle faceplate from being rotated until the ENP plug is fully inserted.

- **Saddle Clamp Terminals:**
  - Reduce installation and maintenance costs – easy to wire, time-saving terminals

- **Integral Bushings:**
  - Taper tapped hubs protect wire installation during wire-pulling

- **Complies with OSHA lockout/tagout requirements:**
  - Lockout tagout hole in cover gives users the ability to lock the cover closed while not-in-use

- **Protected Hinge:**
  - Cap design provides 360° of protection around cover hinge to reduce damage from dirt and corrosion

**FEATURES AND BENEFITS - Traditional Value Solution**

- **Top hinged cover design with 45° downward angle provides protection in damp, wet and dirty locations**

- **Molded-in contact design provides for superior interior contact reliability**

- **To make connection, simply insert the ENP plug and rotate to close the circuit**

- **Built-in features cause the ENP plug to become locked in the receptacle and cannot be accidentally disengaged while in use**

- **Integral Bushings:**
  - Taper tapped hubs protect wire installation during wire-pulling
ENR Premier Series
Dead Front Interlocked
Circuit Breaking Receptacles

ENP Plugs

Applications:
Ark•Gard® products are used:
• In applications that require additional environmental protection
• With portable or fixed electrical equipment such as motor generator units, welders, pumps, compressors, heating and cooling units, cellular relay stations, conveyors, lighting systems, and similar equipment
• In areas made hazardous by the presence of flammable vapors and gases or combustible dusts
• When power requirements do not exceed 20 amperes

Certifications and Compliances:
• NEC:
  - Class I, Division 1, Groups B*, C, D
  - Class II, Groups F, G
  - Class III
  - NEMA 3, 3R
• CEC‡:
  - Class I, Division 1, Groups B*, C, D
  - Class II, Group G
  - Class III
  - NEMA 3, 3R

Standard Materials:
• Receptacle housing, spring door and plug body – die cast copper-free aluminum
• Interiors: receptacle – Krydon® fiberglass-reinforced polyester material; plug – nylon 100
• Contacts: receptacle blade – brass; receptacle switch – silver; plug – brass
• Receptacle cover hinge pin and spring – stainless steel
• Receptacle gasket – neoprene
• Plug bushing – neoprene
• Back boxes – copper-free aluminum

Standard Finishes:
• Copper-free aluminum – aluminum acrylic paint
• Brass – natural

Options:

<table>
<thead>
<tr>
<th>Description</th>
<th>Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corro-free™ epoxy powder finish for added corrosion resistance</td>
<td>S752</td>
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</table>

Electrical Rating Ranges:
• Receptacles:
  - 15 amperes; 125 VAC and 250 VAC, 50–400 hertz
  - 20 amperes; 125 VAC and 250 VAC, 50–400 hertz
• Plugs:
  - 15 amperes; 125 VAC and 250 VAC, 50–400 hertz
  - 20 amperes; 125 VAC and 250 VAC, 50–400 hertz

Grounding:
• NEC Article 501 and CEC Section 18 requires that metal frames or exposed non-current-carrying metal parts of portable devices used in hazardous locations be grounded through an extra conductor in the portable cord. ENR Receptacles and ENP Plugs are provided with an extra grounding pole.

Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Single Gang</th>
<th>Double Gang</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Dimension A</td>
<td>Dimension A</td>
</tr>
<tr>
<td>Single Gang</td>
<td>3½&quot;</td>
<td>7½&quot;</td>
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<tr>
<td>Double Gang</td>
<td></td>
<td></td>
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</table>

Certifications and Compliances:
• NEC:
  - Class I, Division 1, Groups B*, C, D
  - Class II, Division 1, Groups B*, C, D
  - Class III
  - NEMA 3, 3R
• CEC‡:
  - Class I, Division 1, Groups B*, C, D
  - Class II, Group G
  - Class III
  - NEMA 3, 3R

*Single gang assemblies purchased with an EFS back box are suitable for Class I, Group B.
‡15A units are CSA Listed only.
## ENR Premier Series

**Dead Front Interlocked Circuit Breaking Receptacles**

### ENP Plugs

### Ordering Information:

<table>
<thead>
<tr>
<th>15 A Receptacle Rating</th>
<th>Description</th>
<th>Hub Size</th>
<th>Single Gang* Receptacle Assembly Cat. #</th>
<th>Two Gang** Receptacle Assembly Cat. #</th>
<th>Group B Listed‡ Single Gang Assembly Cat. #</th>
<th>Receptacle§ Unit Only Cat. #</th>
<th>NEMA Config.</th>
<th>15 A Plug†† Cat. #</th>
<th>NEMA Config.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Amp 125 Volt</td>
<td>Dead End</td>
<td>½&quot;</td>
<td>ENR11151 M4</td>
<td>ENR12151 M4</td>
<td>ENR11151 M4</td>
<td>ENR5151 M4</td>
<td>5-15R</td>
<td>ENP5151</td>
<td>5-15P</td>
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<tr>
<td></td>
<td></td>
<td>¾&quot;</td>
<td>ENR21151 M4</td>
<td>ENR22151 M4</td>
<td>ENR21151 M4</td>
<td>ENR6152 M4</td>
<td>6-15R</td>
<td>ENP6152</td>
<td>6-15P</td>
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<td>1&quot;</td>
<td>ENR31151 M4</td>
<td>ENR32151 M4</td>
<td>ENR31151 M4</td>
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<tr>
<td>15 Amp 250 Volt</td>
<td>Dead End</td>
<td>½&quot;</td>
<td>ENR11201 M4</td>
<td>ENR12201 M4</td>
<td>ENR11201 M4</td>
<td>ENR5201 M4</td>
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<td></td>
<td>¾&quot;</td>
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<td>ENR21201 M4</td>
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<td>ENR32201 M4</td>
<td>ENR31201 M4</td>
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<td></td>
<td></td>
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</tbody>
</table>

*Single gang assemblies purchased with an EDS back box are suitable for Class I, Groups C, D only. For self-certified Class I, Group B rating, add the suffix “GB” to the catalog number (i.e. ENR21201 M4 GB).**

**Dual gang assemblies purchased with an EDS back box are suitable for Class I, Groups C, D only. For self-certified Class I, Group B rating, add the suffix “GB” to the catalog number (i.e. ENR22201 M4 GB).**

†Single gang assemblies purchased with an EFS back box are suitable for Class I, Group B.

‡Single gang assemblies purchased with an EDS back box are suitable for Class I, Group B.

§Receptacle units alone (i.e. ENR5201) are not suitable for Class I, Group B.

††ENP plugs use #12 or #14 AWG type S, SO, ST or STO cord with range of .540 to .635 inches diameter.

**Note:** Assemblies standard with copper-free aluminum EDS, EDSC, EFS, EFSC back boxes.
Ark•Gard® Premier Series:
- The premier line of ENR Receptacles (M4) come equipped with exclusive features that increase the life of the product, reduce maintenance costs, and eliminate the need to purchase costly replacement parts. There is no other product offering on the market today that comes equipped with time-saving saddle clamp terminals or the added safety of a lockout/tagout hole. The premier ENR Receptacle Series is the ideal solution for applications where increased safety and reliability are critical.

Ark•Gard® Value Series:
- The value line of ENR Receptacles is the ideal solution for rugged and industrial NEMA configured applications up to 20 amperes. Like the premier line, this product comes equipped with built-in safety features that reject standard NEMA configuration plugs that could cause an arc in hazardous areas.

**FEATURES AND BENEFITS - Premier Solution (M4)**
- **Gasketed Screw Cap Cover Design:**
  - Offers superior protection from harsh environments for increased product life
  - Eliminates the need to purchase a separate environmental cover for added protection

- **Spring-Loaded Sliding Key Offers Increased Safety:**
  - Rejects standard NEMA/EEMAC configuration plugs that could cause an arc in a hazardous area.
  - Also prevents the receptacle faceplate from being rotated until the ENP plug is fully inserted.

- **Saddle Clamp Terminals:**
  - Reduce installation and maintenance costs – easy to wire, time-saving terminals

- **Complies with OSHA lockout/tagout requirements:**
  - Lockout tagout hole in cover gives users the ability to lock the cover closed while not-in-use

- **Protected Hinge:**
  - Cap design provides 360° of protection around cover hinge to reduce damage from dirt and corrosion

- **Integral Bushings:**
  - Taper tapped hubs protect wire installation during wire-pulling

**FEATURES AND BENEFITS - Traditional Value Solution**
- **Top hinged cover design with 45° downward angle provides protection in damp, wet and dirty locations**

- **Molded-in contact design provides for superior interior contact reliability**

- **To make connection, simply insert the ENP plug and rotate to close the circuit**

- **Built-in features cause the ENP plug to become locked in the receptacle and cannot be accidentally disengaged while in use**

- **Incorporates three spring-loaded slide keys that prevent the receptacle face plate from being rotated until the ENP plug is fully inserted into the receptacle.**
ENR Value Series Dead Front Interlocked Circuit Breaking Receptacles

ENP Plugs

Applications:
ENR receptacles and ENP plugs are used:
- With portable electrical equipment such as compressors, tools, lighting systems, and similar devices
- In areas made hazardous by the presence of flammable vapors and gases or combustible dusts
- Wherever portable electrical equipment is likely to be transferred from hazardous to non-hazardous areas
- In damp and corrosive areas
- When power requirements do not exceed 20 amperes
- Where general purpose application is required

Features:
- Ark•Gard 2 receptacle incorporates three spring-loaded slide keys that prevent the receptacle face plate from being rotated until the ENP plug is fully inserted into the receptacle. To make the connection, the ENP plug is fully inserted, and the receptacle face moved inward by pushing the plug forward. The plug is then rotated, closing the circuit. As rotation begins, the plug becomes locked in the receptacle and cannot be accidentally disengaged. In making or breaking the circuit, any resulting electrical arc is confined in the factory-sealed chamber.
- Factory-sealed chamber encloses the potential arcing components between two explosionproof threaded joints. These threads are specially coated to guarantee freedom of movement, which ensures on-off action. No additional seals are required.
- One piece molded gasket seals cover plate and ENP plug when plug is inserted, providing full environmental protection at the receptacle face.
- Top-hinged cover design with 45° downward angle provides superior protection in damp, wet, and dirty locations.
- Field assembly is accomplished with standard tools.
- Use standard EDS back boxes.

Certifications and Compliances:
- NEC:
  - Class I, Division 1 and 2, Groups B†, C, D
  - Class II, Division 1 and 2, Groups F, G
  - Class III
- ANSI/UL Standard 1010
- NEMA/EEMAC 3, 7BCD, 9FG
- CEC:
  - Class I, Division 1 and 2, Groups B, C, D
  - Class II, Division 1 and 2, Group G
  - Class III

Standard Materials:
- Receptacle housing and spring door – die cast copper-free aluminum
- Interior – Krydon® fiberglass-reinforced polyester material
- Contacts: receptacle blade – brass; receptacle switch – silver
- Receptacle cover hinge pin and spring – stainless steel
- Receptacle gasket – neoprene

Electrical Rating Ranges:
- Receptacles:
  - 15 amperes; 125 VAC and 250 VAC, 50–400 hertz
  - 20 amperes; 125 VAC and 250 VAC, 50–400 hertz

Grounding:
- NEC Article 501 and CEC Section 18 requires that metal frames or exposed non-current-carrying metal parts of portable devices used in hazardous locations be grounded through an extra conductor in the portable cord. ENR Receptacles and ENP Plugs are provided with an extra grounding pole.

CAUTION: To reduce the risk of ignition of hazardous atmospheres, do not use plugs or receptacles in Class II, Group F locations that contain electrically conductive dusts.

Standard Finishes:
- Copper-free aluminum – aluminum acrylic paint
- Brass – natural

Dimensions
In Inches:

a = 3⅛ for single gang; 7⅛ for two gang.

†Receptacle units alone (i.e. ENR6201) are not suitable for Class I, Group B.
## ENR Value Series Dead Front Interlocked Circuit Breaking Receptacles

### ENP Plugs

### Ordering Information:

<table>
<thead>
<tr>
<th>15 A Receptacle Rating</th>
<th>Description</th>
<th>Hub Size</th>
<th>Single Gang* Receptacle Assembly Cat. #</th>
<th>Two Gang** Receptacle Assembly Cat. #</th>
<th>Receptacle† Unit Only Cat. #</th>
<th>NEMA Config.</th>
<th>15 A Plug‡ Cat. #</th>
<th>NEMA Config.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Amp 125 Volt</td>
<td>Dead End</td>
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<td>ENR11151 ENR21151</td>
<td>ENR12151 ENR22151</td>
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<td>ENRC12151 ENRC22151</td>
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<tr>
<td>15 Amp 250 Volt</td>
<td>Dead End</td>
<td>W&quot;/W&quot;</td>
<td>ENR11152 ENR21152</td>
<td>ENR12152 ENR22152</td>
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<tr>
<td>20 A Receptacle Rating</td>
<td>Description</td>
<td>Hub Size</td>
<td>Single Gang Receptacle Assembly Cat. #</td>
<td>Two Gang Receptacle Assembly Cat. #</td>
<td>Receptacle† Unit Only Cat. #</td>
<td>NEMA Config.</td>
<td>20 A Plug Cat. #</td>
<td>NEMA Config.</td>
</tr>
<tr>
<td>20 Amp 125 Volt</td>
<td>Dead End</td>
<td>W&quot;/W&quot;</td>
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<td>ENR5201</td>
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</tr>
</tbody>
</table>

*Receptacle units alone (i.e. ENR5201) are not suitable for Class I, Group B.

†Single gang assemblies purchased with an EDS back box are suitable for Class I, Group B.

‡Dual gang assemblies purchased with an EDS back box are suitable for Class I, Group C, D only. For Class I, Group B rating, add the letter B to the Cat. No. Example: ENRB2201. Seals must be installed within 1/2" of each conduit opening.

‡ENP Plugs use #12 or #14 AWG type S, SO, ST or STD cord with range of .540 to .635 inches diameter.

**Note:** 15A with copper-free aluminum EDS, EDSC back boxes. 20A with Feraloy® iron alloy EDS, EDSC back boxes.
Ark-Gard® ENC Connectors

ENC Connector:
- This ENC connector makes it safe and easy to bring power wherever it is needed. It provides versatility for making cord sets for connecting portable devices in both hazardous and non-hazardous locations.

Applications:
Hazardous ENC Connectors are used:

Standard maintenance or plant turnarounds to provide power connections for:
- Portable hand lamps for visual inspections
- Portable light fixtures for general illumination
- Portable hand tools such as saws or grinders

Standard operation to provide a means of quick disconnect to move or disassemble equipment such as:
- Motor generator units
- Portable control rooms
- Pumps and motors

Common applications include:
- Refineries
- Chemical Plants
- LNG facilities
- Wastewater Treatment Facilities
- Drilling and Exploration

Certifications and Compliances:
- CSA Certified CSA C22.2 No. 159M
- Class I, Groups B, C, D
- Class II, Group G, Coal Dust
- Class III
- NEMA 3R, Weatherproof
- NEC article 501.140 compliance

Standard Materials:
- Connector bodies – high impact strength copper-free aluminum
- Insulation – fiberglass-reinforced polyester material
- Contacts: receptacle blade – brass; receptacle switch – silver; plug – brass

Standard Finishes:
- Aluminum – natural
- Fiberglass-reinforced polyester - red

Options:
- Corro-free™ epoxy powder finish for added corrosion resistance

Electrical Rating Ranges:
- 15 Amp and 20 Amp
- 125 VAC and 250 VAC

Ordering Information:

<table>
<thead>
<tr>
<th>15A/20A Rating</th>
<th>Cord Range</th>
<th>Connector Cat. #</th>
<th>NEMA Config.</th>
<th>Plug Cat. #</th>
<th>NEMA Config.</th>
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<tbody>
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<td>0.39-1.20</td>
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<td>5-15R</td>
<td>ENP5151</td>
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<td>15 Amp 250 Volt</td>
<td>0.39-1.20</td>
<td>ENC6152 CAN</td>
<td>6-15R</td>
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<td>20 Amp 125 Volt</td>
<td>0.39-1.20</td>
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<td>6-20P</td>
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</tbody>
</table>

Dimensions
In Inches:

Crouse-Hinds
by Eaton
Ark•Gard® ENC Connectors

Hazardous Locations:
CSA Certified
Cl. I, Groups B, C, D
Cl. II, Group G, Coal Dust
Cl. III
NEMA 3R, Weatherproof

FEATURES AND BENEFITS

Unı-Shell™ Handle Body:
• Provides a smooth durable external surface that prevents the connector from getting snagged on equipment or other cables

Spring-Loaded Sliding Key Offers Increased Safety:
• Rejects standard NEMA/EEMAC configuration plugs that could cause an arc in a hazardous area
• Prevents the faceplate from being rotated until the ENP plug is fully inserted

Increased Environmental Reliability with Hinged-Locking Cover:
• Provides weather protection in damp, wet and dirty locations
• Cover stays closed until connection with ENP plug is required

Plug Gaskets:
• Two gaskets cover the entire range of cable diameters reducing risk of improper assembly
• Gasket ratchets into Tri-Lock cable grip to prevent connector from turning or loosening

Increased Safety with Captive Tri-Lock Design:
• Three points of contact prevent pinching of cables that could damage internal conductors or cable jacket
• Captive screws prevent critical components from getting lost during installation

Improved Safety with Integral Lockout/Tagout:
• Eliminates risk of operator or contractor plugging in process equipment when conditions are unsafe

Saddle Clamp Terminals:
• Increased safety with easy-to-terminate connection points for reliable conductor terminations

Mates with Eaton’s Crouse-Hinds Frustration-Free ENP Plug

Snap-In Internal Insulator:
• Increases safety of personnel with intermediate insulator between conductors and metallic outer shell