

Applications:

Ark-Gard ENC connectors:

- Make it safe and easy to bring power wherever it is needed
- Provide versatility for making cordsets for connecting portable devices in both hazardous and non-hazardous locations

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:

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

Standard materials:

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

Standard finishes:

- Aluminum – natural
- Fiberglass-reinforced polyester – red









Options:

| Description | Suffix |
|---|-------------|
| • Corro-free epoxy powder finish for added corrosion resistance | S752 |

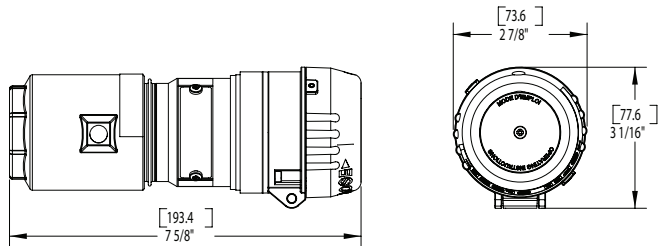
Electrical ratings:

- 15 and 20 amperes, 125 and 250 VAC

Ordering information:

| Rating | Cord range | Cat. # Connector | NEMA configuration | Cat. # Plug | NEMA configuration |
|-----------|--------------|------------------|--|-------------|--|
| 15A, 125V | 0.39 - 1.20" | ENC5151 CAN |  5-15R | ENP5151 |  5-15P |
| 15A, 250V | 0.39 - 1.20" | ENC6152 CAN |  6-15R | ENP6152 |  6-15P |
| 20A, 125V | 0.39 - 1.20" | ENC5201 CAN |  5-20R | ENP5201 |  5-20P |
| 20A, 250V | 0.39 - 1.20" | ENC6202 CAN |  6-20R | ENP6202 |  6-20P |

Dimensions (in inches):



FEATURES AND BENEFITS

Uni-Shell handle body:

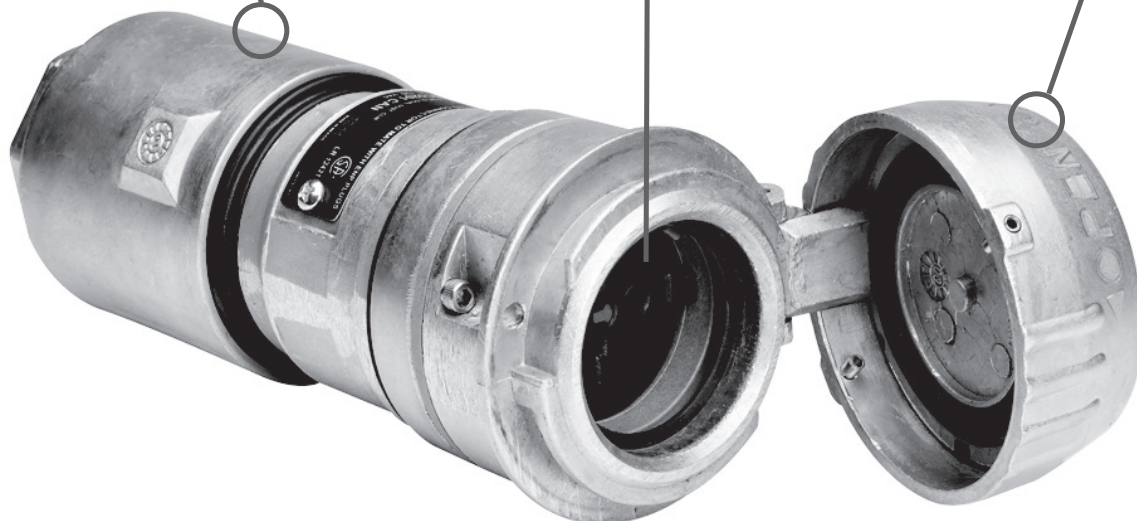
- Provides a smooth, durable external surface that prevents the connector from getting snagged on equipment or other cables

Spring-loaded sliding key offers increased safety:

- Rejects standard NEMA/EEMAC configuration plugs that could cause an arc in a hazardous area
- Prevents the face plate 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



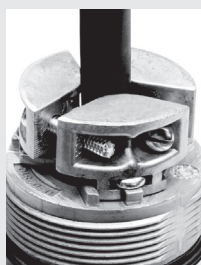
Improved safety with integral lockout/tagout:

- Eliminates risk of operator or contractor plugging in process equipment when conditions are unsafe



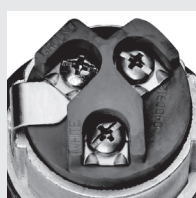
Increased safety with captive Tri-Lock design:

- 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



Saddle clamp terminals:

- Increased safety with easy-to-terminate connection points for reliable conductor terminations



**Mates with
Eaton's Crouse-Hinds
series frustration-free
ENP plug**



Snap-in internal insulator:

- Increases safety of personnel with intermediate insulator between conductors and metallic outer shell



Ark-Gard ENP plugs for ENR receptacles and ENC connectors

Cl. I, Div. 1 & 2, Groups B, C, D
Cl. II, Div. 1 & 2, Groups F, G
Cl. III
NEMA 3, 7BCD, 9FG, 12

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

2P

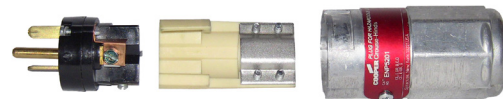
Applications:

Ark-Gard® 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:

- Captive set screw design is now standard on all ENP plugs
- Design assures ease of installation and reduces likelihood of losing critical components in the field
- Insulator and contact components are now a single piece assembly
- ENP plugs can be used in non-hazardous areas with standard U-ground NEMA/EEMAC configuration 5 and 6 receptacles, eliminating the need for two separately equipped portable units of the same type; the ENR receptacle will not accept standard NEMA/EEMAC configuration plugs
- ENP plug handle body is designed with an internal cord strain relief mechanism and a cable sealing grommet which will accept various cable diameters
- Field assembly is accomplished with standard tools
- 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.



Certifications and compliances:

NEC:

- Class I, Divisions 1 & 2, Groups B, C, D
- Class II, Divisions 1 & 2, Groups F, G
- Class III

ANSI/UL standard:

- UL1010

NEMA/EEMAC:

- NEMA/EEMAC 3, 7BCD, 9FG

CEC:

- Class I, Divisions 1 & 2, Groups B, C, D
- Class II, Divisions 1 & 2, Group G
- Class III

Standard materials:

- Plug body – die cast copper-free aluminum
- Interior – nylon 100
- Contacts – brass
- Plug bushing – neoprene

Ordering information:

| Rating | NEMA configuration | Cat. # |
|-----------|--------------------|---------|
| 15A, 125V | | ENP5151 |
| 15A, 250V | | ENP6152 |
| 20A, 125V | | ENP5201 |
| 20A, 250V | | ENP6202 |

Standard finishes:

- Copper-free aluminum – aluminum acrylic paint
- Brass – natural

Electrical ratings:

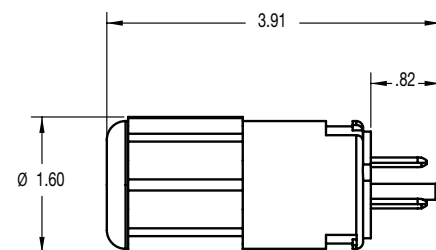
- Plugs – 15 and 20 amperes; 125 VAC and 250 VAC, 50-400 Hz

Grounding:

- NEC Article 501 and CEC Section 18 require 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.

Dimensions (in inches):



Ark-Gard ENR-GFCI kits

Cl. I, Div. 1 & 2, Groups B^A, C, D
Cl. II, Div. 1 & 2, Groups F, G
Cl. III
NEMA 3, 7B^ACD, 9FG, 12

Explosionproof
Dust-ignitionproof

2P

Applications:

Ark-Gard ENR-GFCI kits are used:

- To interrupt a circuit when ground fault is detected on equipment which may be handled by personnel in hazardous locations
- With portable electrical equipment, such as tools, lighting systems, compressors and similar devices for personnel protection
- In branch circuits of 15 to 20 amperes at 125 VAC

In applications such as:

- Refineries
- Chemical plants
- LNG facilities
- Wastewater treatment facilities
- Drilling and exploration

Features:

- Allows for a single part number to be specified, ordered and delivered on-site, significantly reducing the cost of order processing, material handling and misplacement of materials
- Components meet all UL and CSA requirements for ground fault protection in hazardous locations
- Includes all of the value added features of the ENR receptacle
- The GFCI protects personnel against possible injury due to unwanted ground faults; meets requirements for personnel protection as defined in the National Electrical Code
- Field installation is accomplished with standard tools

Certifications and compliances:

NEC/CEC listed components:

- Class I, Divisions 1 & 2, Groups B^A, C, D
- Class II, Divisions 1 & 2, Groups F, G
- Class III

ANSI/UL standards:

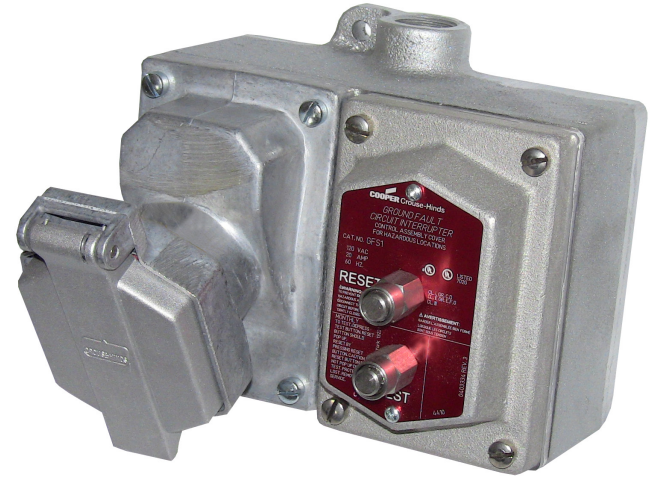
- UL943, UL1203

NEMA/EEMAC:

- NEMA/EEMAC 3, 7CD, 9FG, 12

CSA standard:

- C22.2 Nos. 30, 144



Standard materials:

ENR receptacle:

- Receptacle housing, spring door and plug body – die cast copper-free aluminum
- Interiors – receptacle: Krydon fiberglass-reinforced polyester
- Contacts – receptacle blade: brass; receptacle switch: silver
- Receptacle cover hinge pin and spring – stainless steel
- Receptacle gasket – neoprene
- Back box – Feraloy iron alloy

GFS ground fault circuit interrupter:

- Cover – sand cast copper-free aluminum
- Sealing well – die cast copper-free aluminum
- Pushbuttons and guards – stainless steel
- Shaft seals – neoprene
- Interior – body: polycarbonate; contacts: brass

Standard finishes:

ENR receptacle:

- Feraloy iron alloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – aluminum acrylic paint
- Brass – natural

GFS ground fault circuit interrupter:

- Copper-free aluminum – aluminum lacquer
- Stainless steel – natural
- Polycarbonate – natural (ivory)
- Brass – natural

Electrical ratings:

- 15 and 20 amperes, 125 VAC
- 5 milliampere trip setting
- Class A per ANSI/UL943

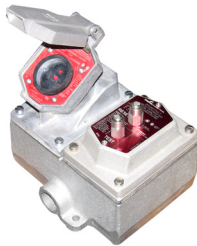
^A Tested and self-certified by Eaton's Crouse-Hinds Division for Group B.





Ark-Gard ENR-GFCI kits

Cl. I, Div. 1 & 2, Groups B^B, C, D Explosionproof
Cl. II, Div. 1 & 2, Groups F, G Dust-ignitionproof
Cl. III
NEMA 3, 7B^BCD, 9FG, 12

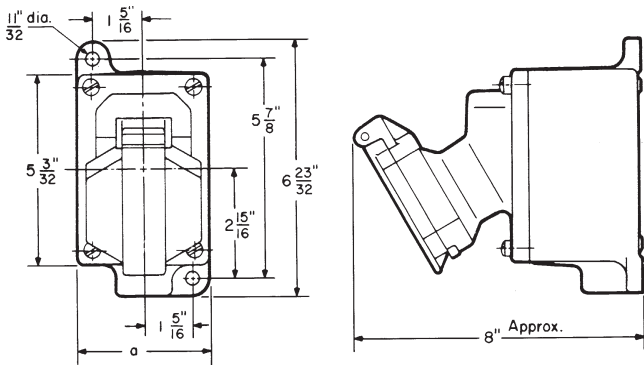
2P

Ordering information:



| Rating | Description | Hub size | Cat. # | NEMA configuration | Cat. # Plug | NEMA configuration | | |
|-----------|--------------|----------|---------------|---|-------------|---|-------|-------|
| 15A, 125V | Dead end | 1/2" | ENR12151 GFI |  | ENP5151 |  | | |
| | | 3/4" | ENR22151 GFI | | | | | |
| | | 1" | ENR32151 GFI | | | | | |
| | Through feed | 1/2" | ENRC12151 GFI | | | | 5-15R | 5-15P |
| | | 3/4" | ENRC22151 GFI | | | | | |
| | | 1" | ENRC32151 GFI | | | | | |
| 20A, 125V | Dead end | 1/2" | ENR12201 GFI |  | ENP5201 |  | | |
| | | 3/4" | ENR22201 GFI | | | | | |
| | | 1" | ENR32201 GFI | | | | | |
| | Through feed | 1/2" | ENRC12201 GFI | | | | 5-20R | 5-20P |
| | | 3/4" | ENRC22201 GFI | | | | | |
| | | 1" | ENRC32201 GFI | | | | | |

Dimensions (in inches):



2P

^B Tested and self-certified by Eaton's Crouse-Hinds Division for Group B.

Ark-Gard ENRX-GFCI kits

Cl. I, Div. 2, Groups B, C, D
Cl. I, Zone 2, IIA, IIB + H₂
Cl. II, Groups E, F, G
Cl. III
NEMA 4X, IP66

2P

Applications:

Ark-Gard ENRX-GFCI kits are used:

- To interrupt a circuit when ground fault is detected on equipment which may be handled by personnel in hazardous locations
- With portable electrical equipment, such as tools, lighting systems, compressors and similar devices for personnel protection
- In branch circuits of 15 to 20 amperes at 125 VAC

In applications such as:

- Refineries
- Chemical plants
- LNG facilities
- Wastewater treatment facilities
- Drilling and exploration

Features:

- Allows for a single part number to be specified, ordered and delivered on-site, significantly reducing the cost of order processing, material handling and misplacement of materials
- Components meet all CSA requirements for ground fault protection in hazardous locations
- Includes all of the value added features of the ENRX receptacle
- The GFCI protects personnel against possible injury due to unwanted ground faults; meets requirements for personnel protection as defined in the National Electrical Code
- Field installation is accomplished with standard tools
- Captive screws are utilized for efficiency and ease of maintenance

Certifications and compliances:

NEC/CEC:

- Class I, Division 2, Groups B, C, D
- Class I, Zone 2, IIA, IIB+H₂
- Class II, Groups E, F, G
- Class III

UL standards:

- UL508, UL1203, UL121201

CSA standard:

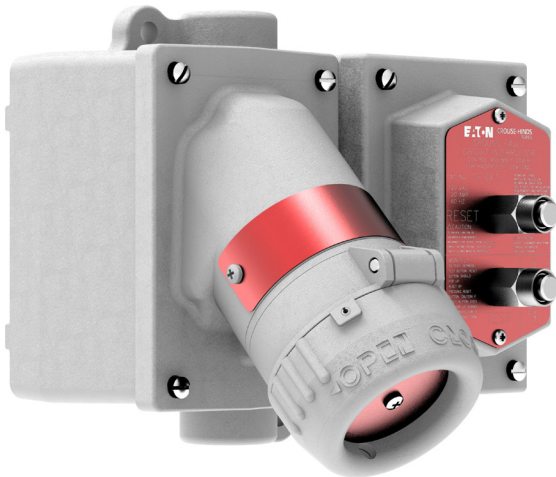
- CSA C22.2 Nos. 14, 25, 213

Environmental ratings:

| Back box / material | NEMA / IP rating |
|---------------------|------------------|
| EDS aluminum | NEMA 4X |
| | IP66 |
| EDS iron | NEMA 4 |

Electrical ratings:

- 15 and 20 amperes, 125 VAC
- 5 milliamperes trip setting
- Temperature range: -40°C to +55°C (-40°F to +131°F)



Standard materials:

ENRX receptacle:

- Receptacle housing, spring door and plug body – die cast copper-free aluminum
- Interiors – receptacle: Krydon fiberglass-reinforced polyester; 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 box – copper-free aluminum

GFSX ground fault circuit interrupter:

- Cover – sand cast copper-free aluminum
- Sealing well – die cast copper-free aluminum
- Pushbuttons and guards – stainless steel
- Shaft seals – Buna-N Nitrile
- Interior – body: polycarbonate; contacts: brass

Standard finishes:

ENRX receptacle:

- Copper-free aluminum – aluminum acrylic paint
- Brass – natural

GFSX ground fault circuit interrupter:

- Copper-free aluminum
- Stainless steel – natural
- Polycarbonate – natural (ivory)
- Brass – natural

Options:

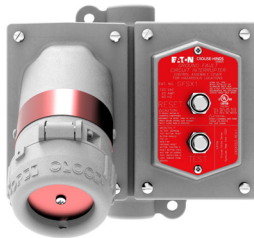
| Description | Suffix |
|---|-------------|
| • Corro-free epoxy powder finish for added corrosion resistance | S752 |





Ark-Gard ENRX-GFCI kits

Cl. I, Div. 2, Groups B, C, D
 Cl. I, Zone 2, IIA, IIB + H₂
 Cl. II, Groups E, F, G
 Cl. III
 NEMA 4X, IP66

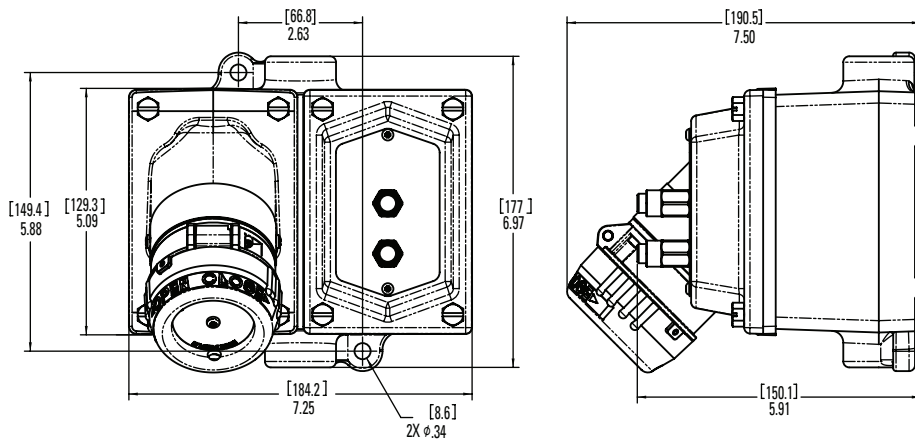
2P

Ordering information:



| Rating | Description | Hub size | Cat. # ^A | NEMA configuration | Cat. # Plug | NEMA configuration |
|-----------|--------------|----------|---------------------|---|-------------|---|
| 15A, 125V | Dead end | 1/2" | ENRX12151 GFI |  | ENP5151 |  |
| | | 3/4" | ENRX22151 GFI | | | |
| | | 1" | ENRX32151 GFI | | | |
| | Through feed | 1/2" | ENRCX12151 GFI | | | |
| | | 3/4" | ENRCX22151 GFI | | | |
| | | 1" | ENRCX32151 GFI | | | |
| 20A, 125V | Dead end | 1/2" | ENRX12201 GFI |  | ENP5201 |  |
| | | 3/4" | ENRX22201 GFI | | | |
| | | 1" | ENRX32201 GFI | | | |
| | Through feed | 1/2" | ENRCX12201 GFI | | | |
| | | 3/4" | ENRCX22201 GFI | | | |
| | | 1" | ENRCX32201 GFI | | | |
| | | | 5-15R | | 5-15P | |
| | | | 5-20R | | 5-20P | |

Dimensions (in inches):



2P

^A Consists of: EDS(C) back box as applicable; ENR5151 M4 or ENR5201 M4 as applicable; GFS1 M4.

Premier and value series

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:

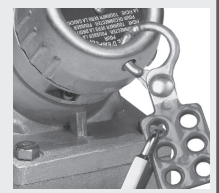
- The value line of ENR receptacles is the ideal solution for rugged and industrial NEMA configured applications up to 20 amperes. Like the premier line, this product comes equipped with built-in safety features that reject standard NEMA configuration plugs that could cause an arc in hazardous areas.

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

Complies with OSHA lockout/tagout requirements:

- Lockout/tagout hole in cover gives users the ability to lock the cover closed while not in use

**Spring-loaded sliding key offers increased safety:**

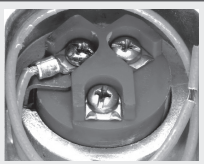
- Rejects standard NEMA/EEMAC configuration plugs that could cause an arc in a hazardous area
- Also prevents the receptacle face plate from being rotated until the ENP plug is fully inserted

Protected hinge:

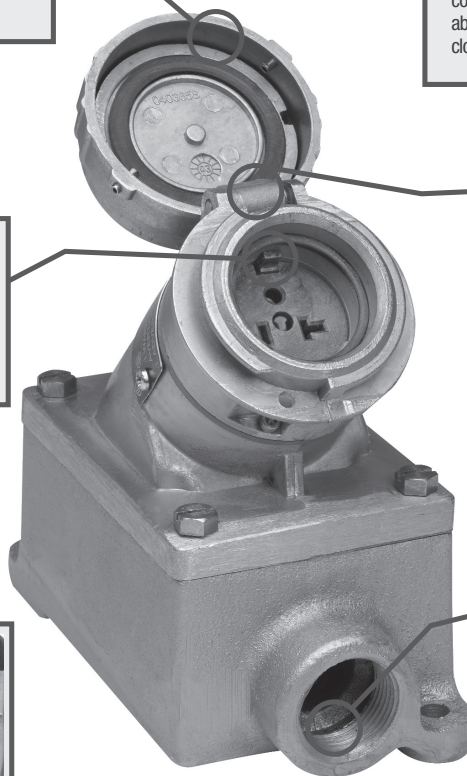
- Cap design provides 360° of protection around cover hinge to reduce damage from dirt and corrosion

Saddle clamp terminals:

- Reduce installation and maintenance costs – easy to wire, time saving terminals

**Integral bushings:**

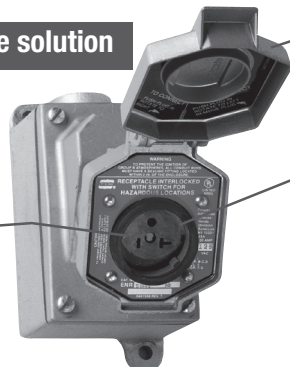
- Taper tapped hubs protect wire installation during wire pulling

**FEATURES AND BENEFITS - traditional value solution**

- 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

- 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
- 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



Ark-Gard ENR premier series dead front interlocked circuit breaking receptacles

Cl. I, Div. 1 & 2, Groups B^A, C, D
Cl. II, Div. 1 & 2, Groups F, G
Cl. III
NEMA 3, 3R, 7BCD, 9FG, 12

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

2P

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^A, C, D
- Class II, Groups F, G
- Class III
- NEMA 3, 3R

CEC[®]:

- Class I, Division 1, Groups B^A, C, D
- Class II, Group G and Coal Dust
- 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; 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:

Description

- Corro-free epoxy powder finish for added corrosion resistance

Suffix

S752

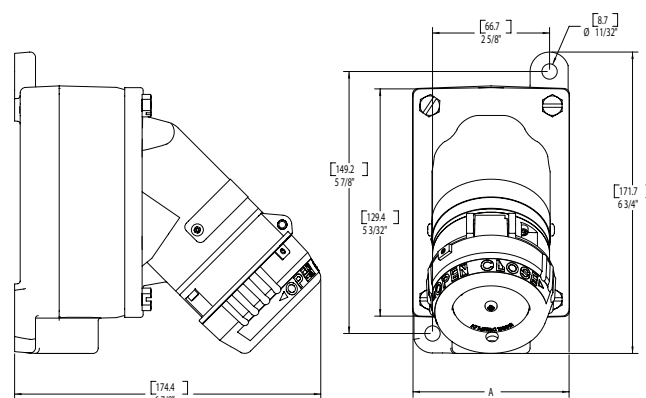
Electrical ratings:

- 15 and 20 amperes; 125 VAC and 250 VAC, 50-400 Hz

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 (in inches):



| Type | Dimension A |
|-------------|-------------|
| Single-gang | 3 1/2 |
| Two-gang | 7 9/16 |

^A Single-gang assemblies purchased with an EFS back box are suitable for Class I, Group B. For Class I, Group B applications in Canada, please contact Customer Service.

^B 15A units are CSA listed only.

Ark-Gard ENR premier series dead front interlocked circuit breaking receptacles

Cl. I, Div. 1 & 2, Groups B, C, D
Cl. II, Div. 1 & 2, Groups F, G
Cl. III
NEMA 3, 3R, 7BCD, 9FG, 12

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

2P

Ordering information:



| Rating | Description | Hub size | Cat. # Single-gang receptacle assembly ^C | Cat. # Two-gang receptacle assembly ^D | Cat. # Group B listed single-gang assembly ^E | Cat. # Receptacle unit only ^F | NEMA config. | Cat. # 15A plug ^G | NEMA config. |
|--------------|--------------|----------|--|---|--|--|-----------------|------------------------------------|-----------------|
| 15A, 125V | Dead end | 1/2" | ENR11151 M4 | ENR12151 M4 | ENRB11151 M4 | ENR5151 M4 | | ENP5151 | |
| | | 3/4" | ENR21151 M4 | ENR22151 M4 | ENRB21151 M4 | | | | |
| | | 1" | ENR31151 M4 | ENR32151 M4 | ENRB31151 M4 | | | | |
| | Through feed | 1/2" | ENRC11151 M4 | ENRC12151 M4 | ENRCB11151 M4 | ENR5151 M4 | | ENP5151 | |
| | | 3/4" | ENRC21151 M4 | ENRC22151 M4 | ENRCB21151 M4 | | | | |
| | | 1" | ENRC31151 M4 | ENRC32151 M4 | ENRCB31151 M4 | | | | |
| 15A, 250V | Dead end | 1/2" | ENR11152 M4 | ENR12152 M4 | ENRB11152 M4 | ENR6152 M4 | | ENP6152 | |
| | | 3/4" | ENR21152 M4 | ENR22152 M4 | ENRB21152 M4 | | | | |
| | | 1" | ENR31152 M4 | ENR32152 M4 | ENRB31152 M4 | | | | |
| | Through feed | 1/2" | ENRC11152 M4 | ENRC12152 M4 | ENRCB11152 M4 | ENR6152 M4 | | ENP6152 | |
| | | 3/4" | ENRC21152 M4 | ENRC22152 M4 | ENRCB21152 M4 | | | | |
| | | 1" | ENRC31152 M4 | ENRC32152 M4 | ENRCB31152 M4 | | | | |

| Rating | Description | Hub size | Cat. # Single-gang receptacle assembly ^C | Cat. # Two-gang receptacle assembly ^D | Cat. # Group B listed single-gang assembly ^E | Cat. # Receptacle unit only ^F | NEMA config. | Cat. # 20A plug ^G | NEMA config. |
|--------------|--------------|----------|--|---|--|--|-----------------|------------------------------------|-----------------|
| 20A, 125V | Dead end | 1/2" | ENR11201 M4 | ENR12201 M4 | ENRB11201 M4 | ENR5201 M4 | | ENP5201 | |
| | | 3/4" | ENR21201 M4 | ENR22201 M4 | ENRB21201 M4 | | | | |
| | | 1" | ENR31201 M4 | ENR32201 M4 | ENRB31201 M4 | | | | |
| | Through feed | 1/2" | ENRC11201 M4 | ENRC12201 M4 | ENRCB11201 M4 | ENR5201 M4 | | ENP5201 | |
| | | 3/4" | ENRC21201 M4 | ENRC22201 M4 | ENRCB21201 M4 | | | | |
| | | 1" | ENRC31201 M4 | ENRC32201 M4 | ENRCB31201 M4 | | | | |
| 20A, 250V | Dead end | 1/2" | ENR11202 M4 | ENR12202 M4 | ENRB11202 M4 | ENR6202 M4 | | ENP6202 | |
| | | 3/4" | ENR21202 M4 | ENR22202 M4 | ENRB21202 M4 | | | | |
| | | 1" | ENR31202 M4 | ENR32202 M4 | ENRB31202 M4 | | | | |
| | Through feed | 1/2" | ENRC11202 M4 | ENRC12202 M4 | ENRCB11202 M4 | ENR6202 M4 | | ENP6202 | |
| | | 3/4" | ENRC21202 M4 | ENRC22202 M4 | ENRCB21202 M4 | | | | |
| | | 1" | ENRC31202 M4 | ENRC32202 M4 | ENRCB31202 M4 | | | | |

Note: Assemblies standard with copper-free aluminum EDS, EDSC, EFS, EFSC back boxes.

^CSingle-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 suffix 'GB' to end of catalog number (i.e. ENR21201 M4 GB). For Class I, Group B applications in Canada, please contact Customer Service.

^DTwo-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 suffix 'GB' to end of catalog number (i.e. ENR22201 M4 GB). For Class I, Group B applications in Canada, please contact Customer Service.

^ESingle-gang assemblies purchased with an EFS back box are suitable for Class I, Group B.

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

^GENP plugs use #12 or #14 AWG type S, SO, ST or STO cord with range of 0.540 - 0.635" diameter.

Premier and value series

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:

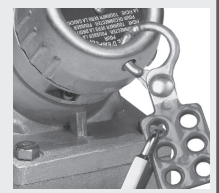
- The value line of ENR receptacles is the ideal solution for rugged and industrial NEMA configured applications up to 20 amperes. Like the premier line, this product comes equipped with built-in safety features that reject standard NEMA configuration plugs that could cause an arc in hazardous areas.

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

Complies with OSHA lockout/tagout requirements:

- Lockout/tagout hole in cover gives users the ability to lock the cover closed while not in use

**Spring-loaded sliding key offers increased safety:**

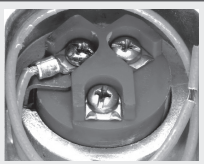
- Rejects standard NEMA/EEMAC configuration plugs that could cause an arc in a hazardous area
- Also prevents the receptacle face plate from being rotated until the ENP plug is fully inserted

Protected hinge:

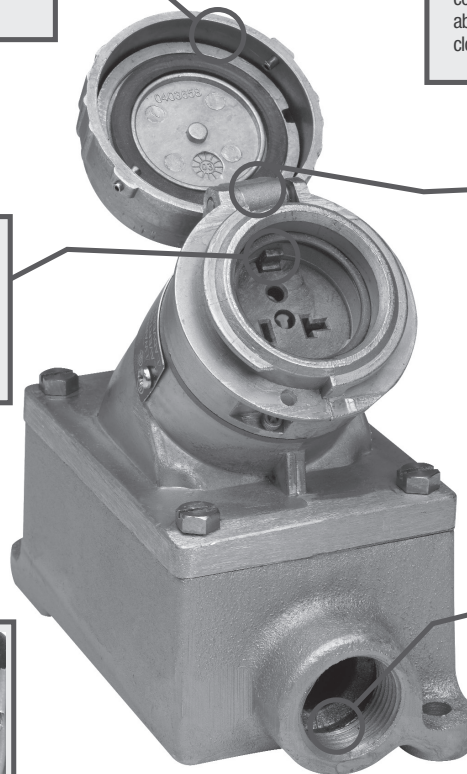
- Cap design provides 360° of protection around cover hinge to reduce damage from dirt and corrosion

Saddle clamp terminals:

- Reduce installation and maintenance costs – easy to wire, time saving terminals

**Integral bushings:**

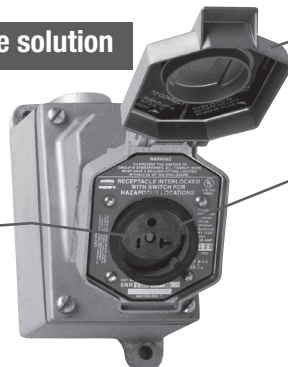
- Taper tapped hubs protect wire installation during wire pulling

**FEATURES AND BENEFITS - traditional value solution**

- 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

- 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
- 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



Ark-Gard ENR value series dead front interlocked circuit breaking receptacles

Cl. I, Div. 1 & 2, Groups B^A, C, D
Cl. II, Div. 1 & 2, Groups F, G
Cl. III
NEMA 3, 7BCD, 9FG, 12

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

2P

Applications:

Ark-Gard 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, Divisions 1 & 2, Groups B^A, C, D
- Class II, Divisions 1 & 2, Groups F, G
- Class III

ANSI/UL standard:

- UL1010

NEMA/EEMAC:

- NEMA/EEMAC 3, 7BCD, 9FG

CEC:

- Class I, Divisions 1 & 2, Groups B, C, D
- Class II, Divisions 1 & 2, Group G
- Class III

Standard materials:

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

Standard finishes:

- Copper-free aluminum – aluminum acrylic paint
- Brass – natural

Electrical ratings:

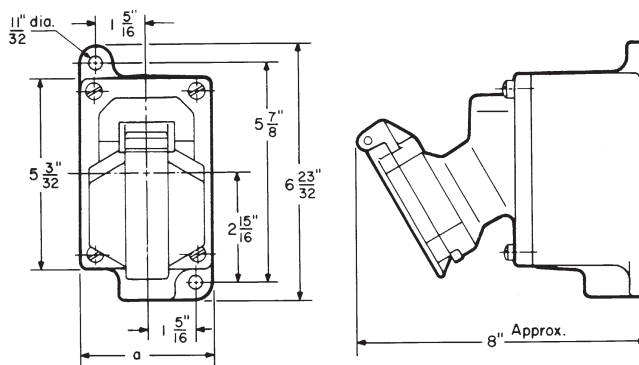
- 15 and 20 amperes; 125 VAC and 250 VAC, 50-400 Hz

Grounding:

- NEC Article 501 and CEC Section 18 require 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.

Dimensions (in inches):



a = 3 1/2 for single-gang
7 9/16 for two-gang

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

Ark-Gard ENR value series dead front interlocked circuit breaking receptacles

Cl. I, Div. 1 & 2, Groups B, C, D
Cl. II, Div. 1 & 2, Groups F, G
Cl. III
NEMA 3, 7BCD, 9FG, 12

Explosionproof
Dust-ignitionproof
Raintight
Wet Locations

2P

Ordering information:



| Rating | Description | Hub size | Cat. # Single-gang receptacle assembly [Ⓒ] | Cat. # Two-gang receptacle assembly [Ⓓ] | Cat. # Receptacle unit only [Ⓔ] | NEMA config. | Cat. # 15A plug [Ⓔ] | NEMA config. |
|-----------|--------------|----------|--|--|--|-----------------|------------------------------------|-----------------|
| 15A, 125V | Dead end | 1/2" | ENR11151 | ENR12151 | ENR5151 | | ENP5151 | |
| | | 3/4" | ENR21151 | ENR22151 | | | | |
| | | 1" | ENR31151 | ENR32151 | | | | |
| | Through feed | 1/2" | ENRC11151 | ENRC12151 | | 5-15R | ENP5151 | 5-15P |
| | | 3/4" | ENRC21151 | ENRC22151 | | | | |
| | | 1" | ENRC31151 | ENRC32151 | | | | |
| 15A, 250V | Dead end | 1/2" | ENR11152 | ENR12152 | ENR6152 | | ENP6152 | |
| | | 3/4" | ENR21152 | ENR22152 | | | | |
| | | 1" | ENR31152 | ENR32152 | | | | |
| | Through feed | 1/2" | ENRC11152 | ENRC12152 | | 6-15R | ENP6152 | 6-15P |
| | | 3/4" | ENRC21152 | ENRC22152 | | | | |
| | | 1" | ENRC31152 | ENRC32152 | | | | |

| Rating | Description | Hub size | Cat. # Single-gang receptacle assembly [Ⓒ] | Cat. # Two-gang receptacle assembly [Ⓓ] | Cat. # Receptacle unit only [Ⓔ] | NEMA config. | Cat. # 20A plug [Ⓔ] | NEMA config. |
|-----------|--------------|----------|--|--|--|-----------------|------------------------------------|-----------------|
| 20A, 125V | Dead end | 1/2" | ENR11201 | ENR12201 | ENR5201 | | ENP5201 | |
| | | 3/4" | ENR21201 | ENR22201 | | | | |
| | | 1" | ENR31201 | ENR32201 | | | | |
| | Through feed | 1/2" | ENRC11201 | ENRC12201 | | 5-20R | ENP5201 | 5-20P |
| | | 3/4" | ENRC21201 | ENRC22201 | | | | |
| | | 1" | ENRC31201 | ENRC32201 | | | | |
| 20A, 250V | Dead end | 1/2" | ENR11202 | ENR12202 | ENR6202 | | ENP6202 | |
| | | 3/4" | ENR21202 | ENR22202 | | | | |
| | | 1" | ENR31202 | ENR32202 | | | | |
| | Through feed | 1/2" | ENRC11202 | ENRC12202 | | 6-20R | ENP6202 | 6-20P |
| | | 3/4" | ENRC21202 | ENRC22202 | | | | |
| | | 1" | ENRC31202 | ENRC32202 | | | | |

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

[Ⓑ] 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.

[Ⓓ] Two-gang assemblies purchased with an EDS back box are suitable for Class I, Groups C, D only. For Class I, Group B rating, add 'B' to catalog number. For example: ENR22201. Seals must be installed within 1 1/2" of each conduit opening.

[Ⓔ] ENP plugs use #12 or #14 AWG type S, SO, ST or STO cord with range of 0.540 - 0.635" diameter.

Ark-Gard ENRX

dead front interlocked circuit breaking receptacles

Cl. I, Div. 2, Groups B, C, D
Cl. I, Zone 2, IIA, IIB + H₂
Cl. II, Groups F, G
Cl. III

NEMA 3, 3X, 4, 4X^A
IP54; IP66^B

2P

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:

ENRX ratings:

| | | |
|--|---|------------------------------------|
| Class I, Division 2, Groups B, C, D | EDS, EFS back box and enclosure with panel mount kit | |
| Class I, Zone 2, IIA, IIB + H ₂ | | |
| Class II, Groups F, G; Class III | EDS and EFS back box only | |
| NEMA 4X ^A | EDS, EFS aluminum back box or enclosure rated NEMA 4X/IP66 ^B | Screw cap closed, no plug inserted |
| IP66 | | |
| NEMA 4 | EDS, EFS iron back box | Screw cap open and plug inserted |
| NEMA 3X | EDS, EFS aluminum back box or enclosure rated NEMA 4X/IP66 ^B | |
| IP54 | | |
| NEMA 3 | EDS, EFS iron back box | |

UL standards:

- UL1203, UL121201, UL498
- Applies to 20A models only

CSA standards:

- C22.2 Nos. 0, 30, 42, 94 and 159
- Applies to 15A and 20A models

Environmental ratings:

- -40°C to +60°C (-40°F to +140°F)

Standard materials:

- Receptacle housing, spring door and plug body – die cast copper-free aluminum
- Interiors – receptacle: Krydon fiberglass-reinforced polyester; 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:

Description

- Corro-free epoxy powder finish for added corrosion resistance

Suffix

S752

Accessories (ordered separately):

Description

- Panel mount bracket.....PMX K1

Cat. #

PMX K1

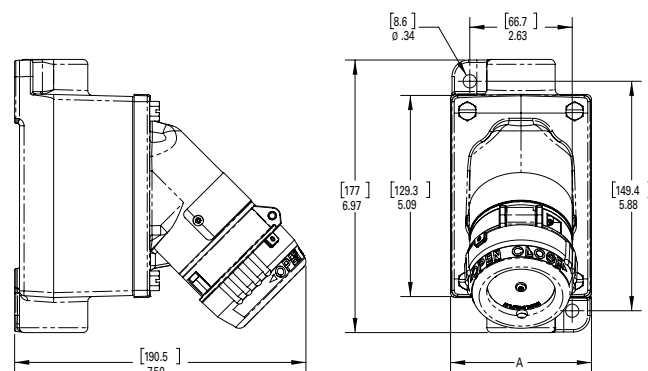
Electrical ratings:

- 15 and 20 amperes; 125 VAC and 250 VAC, 50-400 Hz

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
- ENRX receptacles and ENP plugs are provided with an extra grounding pole

Dimensions (in inches):



| Type | Dimension A |
|-------------|-------------------------------|
| Single-gang | 3 ¹ / ₂ |
| Two-gang | 7 ¹ / ₄ |

^A If existing back box is iron and is used with new X series cover, it is NEMA 4 rated. To achieve NEMA 4X rating, the back box and cover must be aluminum. For any questions, please contact your local sales rep or customer service.

^B When mounted to enclosure less than NEMA 4/4X, installation is de-rated to the NEMA/IP rating of the enclosure.

Ark-Gard ENRX

dead front interlocked circuit breaking receptacles

Cl. I, Div. 2, Groups B, C, D
Cl. I, Zone 2, IIA, IIB + H₂
Cl. II, Groups F, G
Cl. III

NEMA 3, 3X, 4, 4X[Ⓒ]
IP54; IP66[Ⓓ]

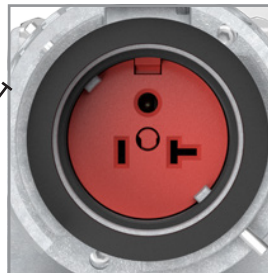
2P

2P

Ark-Gard is now available with a new ENRX cover that provides NEMA 4X[Ⓒ] protection with a broader temperature range, captive screws and panel mount capability. Featuring a retrofit cover design, which allows customers to purchase the cover and install it on the existing aluminum back box to achieve a NEMA 4X[Ⓒ] rating.

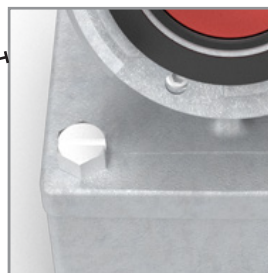
Temperature range

Extended temperature range of -40°C to +60°C as standard



NEMA 4X[Ⓒ] gasket

Providing NEMA 4X[Ⓒ] protection against water ingress in the most demanding conditions



Captive screws

Provide secure fastening while reducing costs associated with lost or damaged screws



Panel mount capability

No special EDS or EFS back boxes needed for Class I, Division 2, Groups B, C, D or Class I, Zone 2, IIA, IIB + H₂ environments



Retrofit design

NEMA 4X[Ⓒ] rating available by purchasing the cover and using the existing back box

[Ⓒ]If existing back box is iron and is used with new X series cover, it is NEMA 4 rated. To achieve NEMA 4X rating, the back box and cover must be aluminum. For any questions, please contact your local sales rep or customer service.

[Ⓓ]When mounted to enclosure less than NEMA 4/4X, installation is de-rated to the NEMA/IP rating of the enclosure.

Ark-Gard ENRX

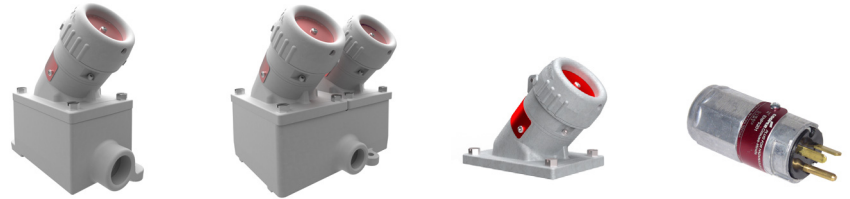
dead front interlocked circuit breaking receptacles




















Cl. I, Div. 2, Groups B, C, D
Cl. I, Zone 2, IIA, IIB + H₂
Cl. II, Groups F, G
Cl. III

NEMA 3, 3X, 4, 4X^E
IP54; IP66^F

2P

Ordering information:



| Rating | Description | Hub size | Cat. # Single-gang receptacle assembly ^G | Cat. # Two-gang receptacle assembly ^H | Cat. # Receptacle unit only ^I | NEMA config. | Cat. # 15A plug ^J | NEMA config. |
|--|--------------|----------|--|--|--|---|------------------------------------|---|
| 15A, 125V  | Dead end | 1/2" | ENRX11151 | ENRX12151 | ENRX5151 |  | ENP5151 |  |
| | | 3/4" | ENRX21151 | ENRX22151 | | | | |
| | | 1" | ENRX31151 | ENRX32151 | | | | |
| | Through feed | 1/2" | ENRCX11151 | ENRCX12151 | ENRX5151 |  | ENP5151 |  |
| | | 3/4" | ENRCX21151 | ENRCX22151 | | | | |
| | | 1" | ENRCX31151 | ENRCX32151 | | | | |
| | Dead end | 1/2" | ENRX11152 | ENRX12152 | ENRX6152 |  | ENP6152 |  |
| | | 3/4" | ENRX21152 | ENRX22152 | | | | |
| | | 1" | ENRX31152 | ENRX32152 | | | | |
| 15A, 250V | Through feed | 1/2" | ENRCX11152 | ENRCX12152 | ENRX6152 |  | ENP6152 |  |
| | | 3/4" | ENRCX21152 | ENRCX22152 | | | | |
| | | 1" | ENRCX31152 | ENRCX32152 | | | | |
| 20A, 125V  | Dead end | 1/2" | ENRX11201 | ENRX12201 | ENRX5201 |  | ENP5201 |  |
| | | 3/4" | ENRX21201 | ENRX22201 | | | | |
| | | 1" | ENRX31201 | ENRX32201 | | | | |
| | Through feed | 1/2" | ENRCX11201 | ENRCX12201 | ENRX5201 |  | ENP5201 |  |
| | | 3/4" | ENRCX21201 | ENRCX22201 | | | | |
| | | 1" | ENRCX31201 | ENRCX32201 | | | | |
| 20A, 250V  | Dead end | 1/2" | ENRX11202 | ENRX12202 | ENRX6202 |  | ENP6202 |  |
| | | 3/4" | ENRX21202 | ENRX22202 | | | | |
| | | 1" | ENRX31202 | ENRX32202 | | | | |
| | Through feed | 1/2" | ENRCX11202 | ENRCX12202 | ENRX6202 |  | ENP6202 |  |
| | | 3/4" | ENRCX21202 | ENRCX22202 | | | | |
| | | 1" | ENRCX31202 | ENRCX32202 | | | | |

Note: Copper-free aluminum standard for all models.

^E If existing back box is iron and is used with new X series cover, it is NEMA 4 rated. To achieve NEMA 4X rating, the back box and cover must be aluminum. For any questions, please contact your local sales rep or customer service.

^F When mounted to enclosure less than NEMA 4/4X, installation is de-rated to the NEMA/IP rating of the enclosure.

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

^H Two-gang assemblies purchased with an EDS back box are suitable for Class I, Groups C, D only. For Class I, Group B rating, add 'B' to catalog number. For example: ENRBX22201. Seals must be installed within 1/2" of each conduit opening.

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

^J ENP plugs use #12 or #14 AWG type S, SO, ST or STO cord with range of 0.540 - 0.635" diameter.