

Plugs & receptacles  
Cam-Lok™ single pole connectivity

CROUSE-HINDS  
SERIES

# Cam-Lok™ Single pole connectivity

The industry standard for reliable service  
under the most severe operating conditions.



**EATON**

*Powering Business Worldwide*

# Cam-Lok™ single pole connectivity

## Cam-Lok™ connectors: The industry standard

Cam-Lok™ plugs and receptacles are the original cam-style single pole connectivity solution for motors, generators, indoor and outdoor lighting distribution panels, stand-by power and other industrial power applications.



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**Eaton's Crouse-Hinds Cam-Lok™ single pole connectors are specially designed to provide the ultimate in reliable service, even under the most severe operating conditions.**

- Exclusive double cam principle provides a positive, vibration-proof connection.
- Safe and easy assembly with normal hand tools or no tools at all.
- All insulators are molded from colorfast material providing quick and easy phase identification.
- Panel mount receptacles are insulated for direct mounting to steel panels, eliminating the need for costly insulating boards.
- All Cam-Lok™ products are 100% insulated, providing a safe connection.



### Cam-Lok™

#### F-Series product applications:

- Welding
- Patch panels
- Heat treating





# Save time and money.

Cam-Lok™ plugs and receptacles replace expensive and bulky multi-conductor cables allowing the use of lighter, single-conductor cables rated at higher amperages. Cam-Lok™ connectors also provide the ability to quickly connect and disconnect without tools.



## Cam-Lok™

### J-Series product applications:

- Portable power
- Entertainment
- Motors
- Generators



## Posi-Lok™

### Product applications:

- Power distribution
- Temporary power
- Emergency power





# Cam-Lok™ J-Series applications, features & benefits

Designed for reliable, portable, quick and safe single pole connections

Cam-Lok™ J-Series connectors are specifically designed to meet the needs of demanding portable applications. J-Series plugs and receptacles are the proven industry standard single pole connectors for reliability and service with added safety.

## Applications

J-Series plugs and receptacles are specifically designed for industrial power distribution applications requiring quick, tool-free connections.

Ideal for portable power, power distribution, motors, generators and entertainment applications; J-Series replaces traditional hardwiring while cutting downtime and maintenance.

J-Series connectors are insulated, shatter/crack resistant and water tight plus heat, weather, ozone, oil and abrasion resistant.

## Specifications

### Electrical ratings

- 600 Volts AC/DC
- 690 Amps Continuous

### Temperature ratings

- -40° C to 105° C

### Materials

- Accepts cable sizes: #8 AWG – 800 MCM
- Insulator material: Elastomeric or Rubber
- Contact material: Brass or Copper

### Environmental

- NEMA 3R or NEMA 4

### Certifications

- Listed to UL1691
- Listed to CSA C22.2 No. 1691-12
- CSA certified to C22.2, no. 182.3 LR13963

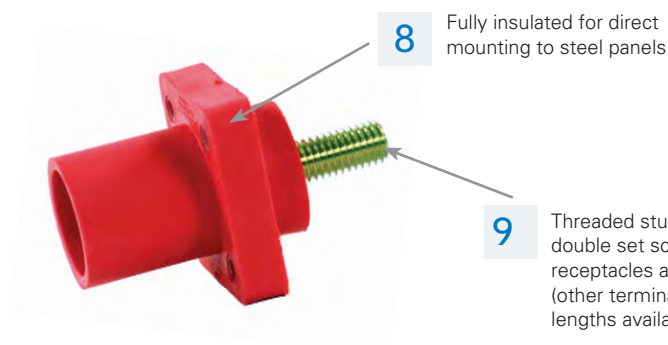
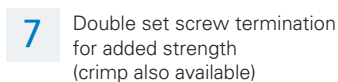
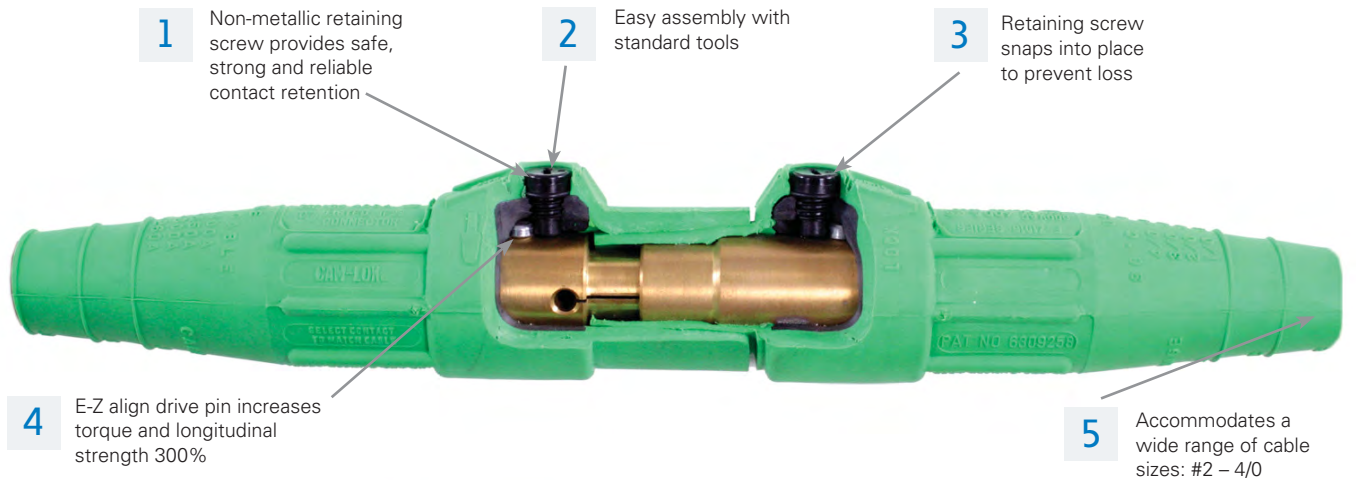


# Cam-Lok™ J-Series applications, features & benefits

## Discover how Cam-Lok™ J-Series connectivity outperforms hardwiring

Cam-Lok™ J-Series connectors quickly replace traditional hardwiring and offer more safety with integrated watertight insulators and a strain relief system. Plus, a wide range of sizes, colors and accessories are available for complete flexibility.

### Features



13 Wide range of colors available



# Single pole connectors

## Cam-Lok™ J-Series E1016 receptacles

Cable Size #6 AWG – 250 MCM  
600V AC/DC, Up to 400A Continuous  
NEMA 3R

### J-Series E1016, elastomeric, threaded stud

#### Features

- Double cam principle provides a positive, vibration-proof connection.
- Self-compensating for wear.
- No moving contact surfaces, eliminating arcing or burning.
- Superior electromechanical connections.
- Locked contacts will withstand a pulling force of 1,000 lbs.
- 1/3 of a turn assures a high pressure contact approaching 600 lbs. per sq. in. providing minimum resistance.
- Contacts carefully machined from a high conductivity brass to a smooth sliding fit and easy locking action.
- Watertight elastomeric body molded from colorfast material, color-coded for easy phase identification.
- Recessed contacts protected by insulating jacket that extends beyond contact ends for safety.
- Receptacles are safety insulated for direct mounting to steel panels.

#### INSULATED RECEPTACLES - 1 1/8" THREADED STUD

COLOR	MALE COMPLETE PART NO.	FEMALE COMPLETE PART NO.
BLACK	E1016-1600S	E1016-1631S
RED	E1016-1602S	E1016-1633S
GREEN	E1016-1604S	E1016-1635S
WHITE	E1016-1605S	E1016-1636S
BLUE	E1016-1612S	E1016-1643S
BROWN	E1016-1619S	E1016-1687S
ORANGE	E1016-1603S	E1016-1634S
YELLOW	E1016-1601S	E1016-1632S

Stud Size: 1/2"-13, Maximum Torque: 40 ft. lbs.



E1016-1602S 1 1/8"

#### INSULATED RECEPTACLES - 3/4" THREADED STUD

COLOR	MALE COMPLETE PART NO.	FEMALE COMPLETE PART NO.
BLACK	E1016-1600	E1016-1631
RED	E1016-1602	E1016-1633
GREEN	E1016-1604	E1016-1635
WHITE	E1016-1605	E1016-1636
BLUE	E1016-1612	E1016-1643
BROWN	E1016-1619	E1016-1687
ORANGE	E1016-1603	E1016-1634
YELLOW	E1016-1601	E1016-1632

Stud Size: 1/2"-13, Maximum Torque: 40 ft. lbs.



E1016-1600 3/4"

To order single packaged products, add a "K" suffix to the complete part number.  
To order tapped through holes, add "T" suffix to the complete part number.

For E1016 Threaded Stud Receptacle Drawings, see page 35.  
Custom threaded stud lengths available.

#### CERTIFICATIONS

- Listed to UL1691
- Listed to CSA C22.2 No.1691-12
- CSA certified to C22.2, No. 182.3 LR13963
- NEMA 3R

#### MATERIALS

- Body: TPE

#### TEMPERATURE RATING

- Operating ambient: -40° C to 105° C