

# Intersect Cam Lok Connector Enclosure for Engine Generators

*With Cam Lok-Style Connectors – up to 200 A*



The Intersect Cam Lok (ICL) enclosures replace commonly used generator connections—*eliminating* compatibility issues with receptacles and plugs. The panels are listed to the new UL 1008 Transfer Switch Power Inlet Standard. Their 10 kA short circuit rating is appropriate for new and retrofit applications without requiring any labeling changes or derating of 10 kA-rated emergency power systems. Each enclosure features Cam Lok-style connectors in an outdoor Type 3R enclosure. The ICL enclosures may be ordered with a unique Deutsch receptacle for wiring alarm and auto-start/stop features of an engine generator set.

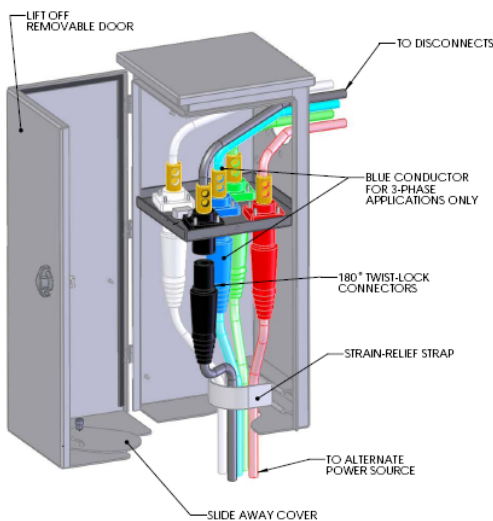
Connect or disconnect Cam Lok-style connectors without tools—just a 180° turn assures a high-pressure contact with minimum resistance. Proven to provide optimal electrical and mechanical connections in numerous power applications, even severe operating conditions do not impact contacts which will withstand a pulling force of 1,000 lbs.

Cam Lok-style connectors are single-pole plugs and receptacles, insulated for watertight integrity and safety. Male and female connectors provide insulated, recessed contacts. The insulators are molded from colorfast materials, with five different colors providing fast, easy phase identification.

Male and female connectors are designed for safety. With no moving contact surfaces, there is no arcing or burning. Electrically insulated jackets extend past the ends of the connectors, ensuring safety of personnel. The design is impervious to vibration, preventing inadvertent disconnects.

The outdoor powder-coated aluminum enclosure is lightweight and corrosion resistant. Gaskets ship with each ICL to insure a watertight seal whether the enclosure is wall-mounted, H-Frame-mounted, or installed as a retrofit to shelters or cabinets. The gasket has mounting patterns that match the standard mounting patterns for generator receptacles. For retrofits simply select the appropriate pattern from eight predrilled holes or four knockouts. The ICL enclosure is designed for the door to open left (left-mount). A right-mount enclosure may be specified if space limitations on an H-frame or cabinet configurations are better suited for the ICL door to open right.

For a quotation, contact Intersect at [solutions@intersectinc.com](mailto:solutions@intersectinc.com).



## Intersect™, Inc.

Quality products. Premium customer care. Integrated solutions.

## General Data

### Enclosure dimensions (H x W x D)

24.4 x 9.7 x 9.6 inches

Width from mounting plate to edge of open door front: 19.3 inches

### Weight

19 lbs (approx.)

### UL

UL 1008, 5th Ed, rev October 2007

File E313837

- Single phase, rated 240/120, 200 amps, 10 kA Short Circuit
- Three phase, rated 208/120, 200 amps, 10 kA Short Circuit

### Enclosure

- UL Type 3R aluminum enclosure
- "Lift-off" hinges for front door removal/installation
- Removable dead front panel protects breaker wiring connections
- Gaskets provided to match 4-hole mounting pattern for generator receptacles
- For retrofits, eight-hole pattern accommodates vertical or 45° mount, while knockout pattern accommodates "AJA"-type mounting boxes
- Cable management for wiring conductors
- Captive sliding conduit entry hole cover for use when alternate power source is disconnected

### Powder coat paint

UL Pantone (Cod Gray) TGIC polyester

### Door

- "Lift-off" hinges
- Pad-lockable

### Manufacturer's warranty

5 years

Series Number	Product Configuration†
ICL-1P	1Ø; left mount; L1, L2, N and G
ICL-3P	3Ø; left mount; L1, L2, L3, N and G
ICL-1P-R	1Ø; right mount; L1, L2, N and G
ICL-3P-R	3Ø; right mount; L1, L2, L3, N and G
ICL-1P-CBL	1Ø; left mount; L1, L2, N and G; with ICL-CBL accessory
ICL-3P-CBL	3Ø; left mount; L1, L2, L3, N and G; with ICL-CBL accessory
ICL-1P-CBL-R	1Ø; right mount; L1, L2, N and G; with ICL-CBL accessory
ICL-3P-CBL-R	3Ø; right mount; L1, L2, L3, N and G; with ICL-CBL accessory
<b>Accessories</b>	
ICL-CBL	1Ø or 3Ø 20' cable assembly for Deutsch-type alarm connectors
ICL-MB	1Ø or 3Ø mounting box (for use with left- or right-mount ICL)

† All parts listed include male Cam Lok-style connectors. Units are UL 1008 Transfer Switch Power Inlet Standard rated for use on 120/240 or 120/208 V up to 200 amp installations

## Cam Lok-Style Connectors

### Type

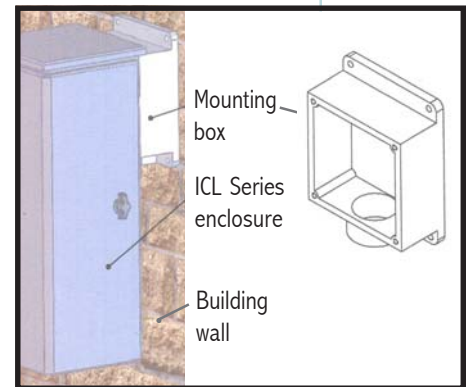
Male

### Electrical

- UL Listed Cam Lok-style, 180° twist on/off single-pole receptacles
- Conforms to NEC
- Rated up to 400 A, 208/120 V
- May be used for 240/120 single phase applications
- Terminal acceptance:
  - Plug: 200 A, #4 to 2/0 AWG
  - Receptacle: 200 A, #4 to 4/0 AWG

### Power connectors

- Solid brass machined connectors
- Color coded:
  - Green—Ground
  - White—Neutral
  - Black—Line 1
  - Red—Line 2
  - Blue—Line 3



Accessory ICL-MB provides side, top or bottom conduit entry in case flush mounting is prohibited by space limitations.

## Wiring and Installation

**WARNING:** Wiring and installation should only be performed by qualified personnel. Disconnect the generator start battery and open the generator disconnect switch before connecting or disconnecting the Cam Lok-style power connectors to prevent accidental generator start while servicing the equipment. Install a cabinet bonding jumper (ground) to the ground stud provided in accordance with NEC requirements.

**Intersect, Inc.**