

# Intersect Cam-Lok Generator Connector

*Power Transfer UL 1008A Listed to 400 A*



Featuring a Type 3R enclosure for outdoor use, the Intersect Cam-Lok Generator Connector (ICGC) Series uses Com-Lok style connectors and replaces commonly-used generator receptacles.

## ICGC Series design features provide installation ease and flexibility

- Knockouts on the left, right, and back side of the enclosure provide three installation options
- May be wall-mounted, H-Frame mounted, or installed as a new or retrofit engine generator connector to shelters or cabinets
- Connect or disconnect Cam Lok-style connectors without tools—just a 180° turn assures a high-pressure contact with minimum resistance
- 10 kA short circuit rating appropriate for new and retrofit applications without requiring any labeling changes or derating of 10 kA rated emergency power systems
- Proven to provide optimal electrical and mechanical connections in numerous power applications and severe operating conditions – contacts withstand a pulling force of 1,000 lbs
- A gasket ships with each ICGC to insure a watertight seal
- Optional cable kit for auto start-stop of an engine generator set (from the automatic transfer switch connections) assures wiring is on-site for installations

## ICGC Series features ensure safety during installation and operation

- Cam Lok-style connectors are single-pole plugs and receptacles, insulated for watertight integrity and safety
- Insulators are molded from colorfast materials, with five different colors providing fast, easy phase identification
- Male and female connectors provide insulated, recessed contacts and have no moving contact surfaces, eliminating risk of arcing or burning
- Impervious to vibration, preventing inadvertent disconnects
- Enclosure is pad-lockable to prevent unauthorized access
- Hinged bottom closure ensures connectors are not exposed when not in use and reduces potential of environmental threats from dust, insects or other invasive creatures



Figure 1: Deadfront protective cover



Figure 2: Bottom closure



Figure 3: Switchable hinge opening

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)

23 x 10 x 9.5 inches

### Weight

14 lbs (approx.)

### Enclosure

- UL Type 3R aluminum enclosure
- Uses die-cast pin hinges, black powder coated
- Dead front panel protects utility gen set wiring connections (Figure 1, front page)
- Gasket provided to help insure water-tight seal
- Flush mount weld
- Bottom closure employs an integrated hinge for integrity, strength and durability while keeping bugs and creatures out when gen set is not connected (Figure 2, front page)
- Bottom closure hinges open to provide 7.25" W x 3"D opening for cable conductors
- Cable management system is a bridge lance for plastic zip ties

### Powder coat paint

UL RAL 7035 - Light grey

### Door

- Pad lockable
- Ships with left opening; may open to the right by moving hinges to the opposite side of cabinet (Figure 3, front page)

### UL

UL 1008A, 5th ed, or current

- 1Ø, rated 240/120, 400 A, 10 kA short circuit
- 3Ø, rated 208/120, 400 amps, 10 kA short circuit

### Manufacturer's warranty

5 years

Product No	Product Configuration <sup>1</sup>
ICGC-1P-400	1Ø; L1, L2, N and G
ICGC-3P-400	3Ø; L1, L2, L3, N and G
Optional Accessories	
ICGC-MB	Mounting box for use with 1Ø or 3Ø ICGC enclosures
400LKB-1P	400 A Lug Kit Burndy (8 lugs) 3/0 CU 1-hole short lugs <sup>2</sup>
400LKB-3P	400 A Lug Kit Burndy (10 lugs) 3/0 CU 1-hole short lugs <sup>2</sup>
400LKP-1P	400 A Lug Kit Burndy (8 lugs) 3/0 CU 1-hole short lugs <sup>2</sup>
400LKP-3P	400 A Lug Kit Burndy (10 lugs) 3/0 CU 1-hole short lugs <sup>2</sup>
GenSetSS20CBLKIT	Cabling kit for auto start-stop of gen set(s): 20' of SOOW-16-2 cable with 1/4" insulated ring for gen set connection, HEYCO M4340 & 20mm drill bit
GenSetSS50CBLKIT	Cabling kit for auto start-stop of gen set(s): 50' of SOOW-16-2 cable with 1/4" insulated ring for gen set connection, HEYCO M4340 & 20mm drill bit

1. 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 400 A installations. 2. Two enclosure sizes available. For details please contact solutions@intersectinc.com

## Cam-Lok Style Connectors

### Type

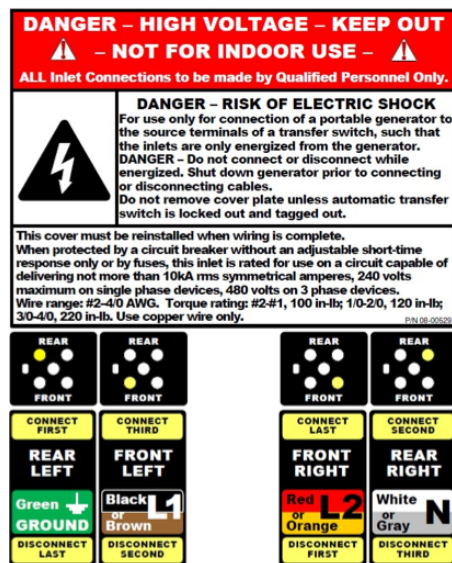
Male

### Electrical

- UL Listed Cam-Lok style, 180° twist on/off single-pole receptacles
- Conforms to NEC
- Rated up to 400 A, 208/120 V, 3Ø
- May be used for 240/120 1Ø applications
- Cam-Lok terminal acceptance:
  - Plug: 400 A, #2 to 4/0 AWG
  - Receptacle: 400 A, #2 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



The installation instructions are for a 240/120, single phase application. A 208/120, three phase application will include Line 3 (Blue).

**Intersect, Inc.**