

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 Deutsch receptacle for wiring alarm and auto-start/stop features of an engine generator set (from the automatic transfer switch connections)

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

For a quotation, contact Intersect at solutions@intersectinc.com.

Intersect, Inc.

Quality products. Premium customer care. Integrated solutions.



Figure 1. Deadfront protective cover



Figure 2. Bottom closure



Figure 3. Switchable hinged opening

| Product No | Product Configuration ¹ |
|----------------------|--|
| ICGC-1P-400 | 1Ø; L1, L2, N and G |
| ICGC-1P-400-CBL | 1Ø; L1, L2, N and G with Deutsch connector and 20' CBL |
| ICGC-3P-400 | 3Ø; L1, L2, L3, N and G |
| ICGC-3P-400-CBL | 1Ø; L1, L2, L#, N and G with Deutsch connector and 20' CBL |
| Optional Accessories | |
| ICGC-CBL | 1Ø or 3Ø, Deutsch connector with 20' cable assembly |
| 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 ² |
| 400LKB-3P | 400 A Lug Kit Burndy (10 lugs) 3/0 CU 1-hole short lugs ² |
| 400LKP-1P | 400 A Lug Kit Burndy (8 lugs) 3/0 CU 1-hole short lugs ² |
| 400LKP-3P | 400 A Lug Kit Burndy (10 lugs) 3/0 CU 1-hole short lugs ² |

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

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)
- 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)
- 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
- Optional Deutsch connector is connected via an "O ring" to base

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)

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

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

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