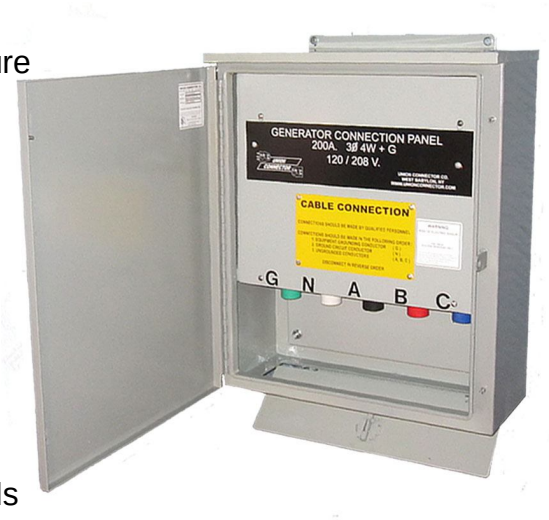
Product Bulletin No.: GCB-101B

Generator Connection Panel (Non- Switching)

Features



- Galvanized Steel, powder coated, NEMA Type 3R enclosure
- Latching trap-door for portable cable entry
- UL Listed
- Ampacity ratings from 100A. to 1600A.
- Available Voltage ratings:
  - 1Ø 120V. 2W+G
  - 1Ø 120/240V. 3W+G
  - 3Ø 120/208V. 4W+G
  - 3Ø 480V. 3W+G
  - 3Ø 277/480V. 4W+G
- Series 16 Cam devices color-coded per electrical standards
- Copper bus with dual-rated mechanical lugs for facility connection
- Suitable for Use as Service Equipment (SUSE)

Options

- Stainless Steel 4X enclosures (optional Aluminum)
- Reverse Neutral / Ground
- Dual Neutral
- Custom Colors
- Kirk Key Locks
- Posi-Lok™ or Mechanical Lug connections
- Main Breaker

Emergency / Backup Power Connection

Generator Connection Panels are intended for use as a temporary service connection point between portable power units and the facility service entrance. When normal utility power is interrupted for long periods of time(natural disaster, utility system failure, etc.), it may become necessary to bring in portable generators to provide power or augment emergency gen-sets. Connection of these portable power units to building wiring should be through a transfer switch. The safest and easiest way to make the tie-in is through a connection panel specifically designed for this application.

The Union Connector Generator Connection Panel contains Cams for portable cable connection to facility switches. These connectors are standard, inexpensive and familiar to generator operators. The cams are mounted inside a NEMA 3R , 4 or 4X enclosure with a secure trap-door entry on the bottom of the enclosure. Quick, safe connection of portable cables by qualified personnel is through this trap-door. The front door can be secured with a padlock for added security and the facility can now be safely brought back online.

Options are available to custom design a unit to meet specific applications. These options include a variety of connector types, enclosures, OCPDs and instrumentation. For assistance in matching a GCP to your facility, contact Union Connector's Engineering department.

Generator Connection Panel (Non- Switching)

Catalog Number Ordering Information

Example: Generator Connection Panel, no switches, 120/208V., 400A., Cam connectors (single Neutral) in a NEMA 3R enclosure, with no options or customization - *Cat # GCP-N-0-3-400-1-1-1-0-0*

GCP - N - 0 - 3 - 400 - 1 - 1 - 1 - 0 - 0

Product | Type | Switch | Voltage | Amps | Connection | Neutral | Enclosure | Options | Custom

Product
Generator Connection Panel

Type
N = Non Switching
M = Manual Switching
A = Automatic Switching

Switch
0 = No Switch
1 = non-fused DT Switch
2 = Fused DT Switch
3 = Fused Boltswitch
3 = Molded Case Switches
4 = Molded Case Breakers
5 = EOMH ASCO Contactor

Voltage
1 = 120V., Single Ø, 2W+G
2 = 120/240V., Single Ø, 3W+G
3 = 120/208V., Three Ø, 4W+G
4 = 480V., Three Ø, 3W+G
5 = 277/480V., Three Ø, 4W+G

Amps
100
200
400
600
800
1200
1600

Connection
0 = Mechanical lugs
1 = Cams (all Male)
2 = Cams (reverse Ground)
3 = Cams (reverse Neutral)
4 = Cams (reverse Neut.& Gnd.)
5 = Posi-Lok (all Male)

Neutral
1 = Single Neutral
2 = Dual Neutral

Enclosure
1 = 3R (Wall Mount)
2 = 4 (Wall Mount)
3 = 4X (Wall Mount)
4 = 3R (Pad Mount)
5 = 4 (Pad Mount)
6 = 4X (Pad Mount)

Options
0 = No Options
1 = Switched Neutral
2 = No Neutral
3 = Snap-back Covers
4 = Kirk Key Locks
5 = Architectural Color Match
6 = Main Breaker
7 = Aluminum Enclosure

Custom
(Suffix assigned by factory)
0 = No custom application

SPECIFICATIONS

1. A UL Listed Generator Connection Panel with connector type, Voltage, ampacity and enclosure shall be provided. The function of the Panel shall be to provide a safe means of connecting a temporary power source to critical loads in a facility.
2. The enclosure shall be a NEMA 3R, 4 or 4X rated cabinet. It shall be wall or pad mounted, as required. Finish shall be grey powder coat.
3. A gasketed, cable entrance opening shall be provided on the bottom of the enclosure. A hinged “trapdoor” shall cover the opening and be secured with a latch inside the cabinet.
4. A lockable, hinged door shall be provided. No live components shall be accessible when the door is closed.
5. Connection to building wiring shall be through conduit to lugs on bus.
6. Connection to generator shall be through trapdoor to lugs or Listed receptacles.
7. All bussing shall be copper and sized at 1000A./ sq. in.
8. Generator cable connection shall be to Listed wiring devices or mechanical lugs in the panel. Devices shall be mounted on an inlet panel recessed into the enclosure so that mating cable devices shall not extend outside the enclosure when connected.
9. When mechanical lugs are provided for generator connection, the lugs shall be dual-rated, UL Listed and sized to accept conductors as indicated.
10. When Cam devices are provided, they shall accept standard E1016 / Series 16 type devices. Cams shall be color-coded to indicate phase, neutral and ground. The inlet panel shall contain slots between devices to eliminate heating by hysteresis, as required by NEC Art. 300.20(B).
11. When Posi-Lok™ devices are provided, they shall be Series E0200 (200A.), E0315 (315A.) or E0400 (400A).
12. A nameplate indicating electrical ratings, UL Listing and connection instructions shall be permanently installed on the enclosure.
13. Unit shall be UL Listed as Suitable for Use as Service Equipment. (SUSE)