



Generator Connection Box with Mechanical Lugs

Features

- Galvanized Steel, powder coated, Type 3R enclosure
- Latching trap-door for portable cable entry
- UL Listed
- Ampacity ratings from 100A. to 3200A.
- Available Voltage ratings:
 - 1Ø 120V. 2W+G
 - 1Ø 120/240V. 3W+G
 - 3Ø 120/208V. 4W+G
 - 3Ø 208V. 3W+G
 - 3Ø 277/480V. 4W+G
 - 3Ø 480V. 3W+G
- Dual-rated mechanical lugs for bare-end portable cable connection
- Copper bus with dual-rated mechanical lugs for facility connection



Options

- Stainless Steel Type 4X enclosures
- Aluminum enclosure
- Pad / Freestanding enclosure
- Recess mounting
- Series 16 Cam inlets
- Posi-Lok™ Input panel
- Main circuit breaker
- Fused disconnect
- Non-fused disconnect
- Phase sequence indicator
- Custom Colors
- Kirk Key Locks





Generator Connection Box with Mechanical Lugs

Specifications

1. The enclosure shall be Type 3R, fabricated from galvanized steel, and powder coated ANSI 61 gray.
2. The enclosure shall contain mounting tabs for surface mounting.
3. A drip shield shall be provided above the door opening.
4. The enclosure shall have a hinged front door provided with a latch able to accept a padlock.
5. The bottom of the enclosure shall contain a hinged door for the entry of portable cable. The door shall be secured by a latch accessible only from inside the enclosure.
6. The conduit entrance shall be through the top of the enclosure. The line building wire shall terminate directly to mechanical lugs on the phase and neutral bus. The Ground building wire shall terminate to a dual rated lug bonded to the enclosure.
7. A dead front cover shall prevent access to the internal electrical components when the main access door is open.
8. A hinged door on the internal dead front panel shall be provided for access to the cable connection chamber. This door shall have a key lock.
9. Color coded snap-back protective covers shall be provided on the internal cable connection chamber end panel for cable entrance into the cable connection chamber.
10. The internal cable connection end panel shall contain slots between the snap back protective covers to eliminate hysteresis, as required by the NEC.
11. Dual-rated mechanical lugs shall be mounted on the bus bars in the cable connection chamber for the termination of bare-ended portable generator cable. Quantity and capacity of lugs shall be determined by the amperage and voltage rating of the unit as listed:

Amps	Phase (per inlet)	Neutral (per inlet)	Ground
100-200	(1) #6 – (1) 300	(1) # 4AWG – (1) 600kcmil	(1)#14AWG – (1) 2/0AWG
400	(1) # 4AWG – (1) 600kcmil	(1) # 4AWG – (1) 600kcmil	(1)#6AWG - (1) 300kcmil
600-800	(2) # 4AWG – (1) 600kcmil	(2) # 4AWG – (2) 600kcmil	(2)#6AWG - (2) 300kcmil
1200	(4) # 4AWG – (1) 600kcmil	(4) # 4AWG – (4) 600kcmil	(4)#6AWG - (4) 300kcmil

12. The Ground Lug shall be wired to the enclosure frame and a Ground connection lug shall be provided for contractor termination of the building ground wire.
13. A warning label to specify the proper sequence for connection and removal of portable cable and shall be mechanically fastened to front cover of the enclosure.
14. The Generator Connection Box shall meet or exceed all applicable NEC standards and shall be UL Listed. A label denoting the UL Listing shall be permanently affixed to the unit.
15. The Generation Connection Box shall be a PBS model as manufactured by Union Connector.



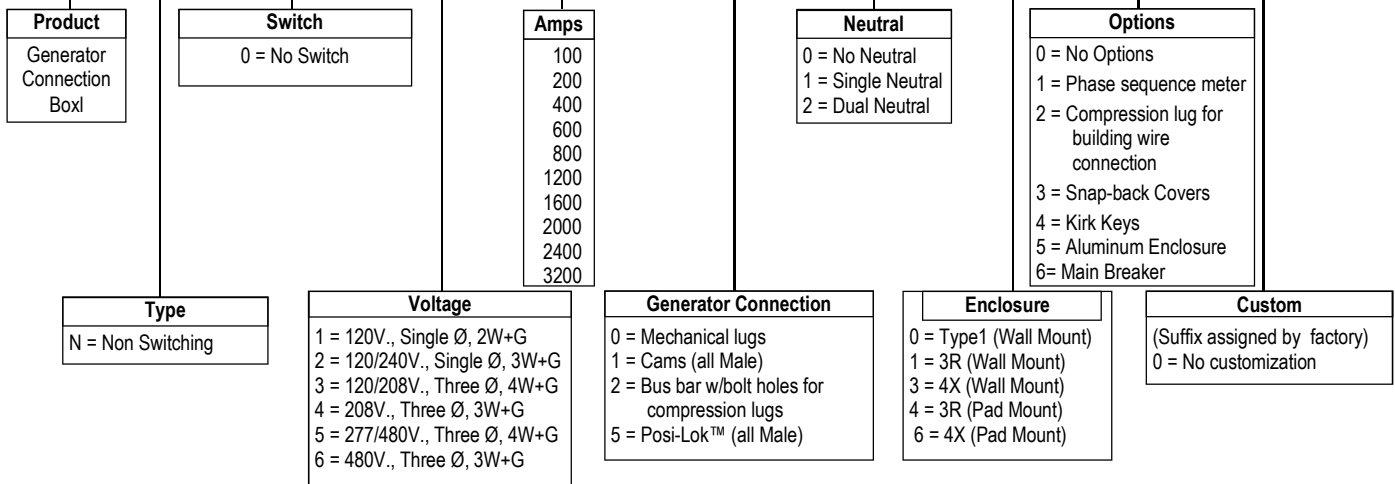
Generator Connection Box with Mechanical Lugs

Part Number

Example: Generator Connection Box, no switches, 120/208V., 100A., Mechanical lugs (single Neutral), in a Type 3R enclosure, with no options or customization

Cat # GCP-N-0-3-100-0-1-1-0-0

GCP - N - 0 - 3 - 100 - 0 - 1 - 1 - 0 - 0
 Product Type Switch Voltage Amps Connection Neutral Enclosure Options Custom



Customization

Union Connector has the engineering and manufacturing experience to build custom Generator Connection Boxes to meet the needs of unique situations. Our staff is willing to work with you or your contractor to design and build a unit that will be suited to your specific needs. For more information, contact our Engineering Dept. to begin the design consultation process.