



Generator Connection Box with Series 16 Cams

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
- Series 16 Cam devices color-coded per electrical standards
- Copper bus with dual-rated mechanical lugs for facility connection
- Snap-back covers on units over 400A. (contain multiple sets of cam inlets)



Options

- Stainless Steel Type 4X enclosures
- Aluminum enclosure
- Pad / Freestanding enclosure
- Recess mounting
- Reverse Neutral
- Reverse Ground
- Dual Neutral
- Posi-Lok™ input panel
- Mechanical Lug connections
- Main circuit breaker
- Fused disconnect
- Non-fused disconnect
- Phase sequence indicator
- Custom Colors
- Kirk Key Locks





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Specifications

1. A UL Listed Generator Connection Panel with specified connector type, electrical rating 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 Type 3R, fabricated from galvanized steel, and powder coated gray.
3. The enclosure shall contain mounting tabs for surface mounting.
4. A drip shield shall be provided above the door opening.
5. The enclosure shall have a hinged front door provided with a latch able to accept a padlock.
6. 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.
7. Enclosure dimensions shall be as listed:

Amps	Dimensions	Amps	Dimensions
100 – 400	24" H. x 20" W. x 8" D.	1600	36" H. x 30" W. x 16" D.
600 – 800	30" H. x 24" W. x 10" D.	2000	36" H. x 30" W. x 19" D.
1000 – 1200	30" H. x 24" W. x 13" D.	2400	36" H. x 30" W. x 22" D.
		3200	36" H. x 30" W. x 28" D.

8. The conduit entrance shall be through the top of the enclosure. The line building wire shall terminate directly to the inlets or to mechanical lugs on the phase and neutral bus. Each inlet shall have (1) lug associated with it. The Ground building wire shall terminate to a dual rated lug bonded to the enclosure. Lugs shall accommodate wire sizes as listed:

Amps	Phase (per inlet)	Neutral (per inlet)	Ground
100-200	(1) 1/0 – (1) 4/0AWG	(1) 1/0 – (1) 4/0AWG	(1) #14AWG – (1) 2/0AWG
400-3200	(1) # 4AWG – (1) 600kcmil	(1) # 4AWG – (1) 600kcmil	(1) #6AWG - (1) 300kcmil

9. A dead front cover shall prevent access to the internal electrical components when the main access door is open.
10. Series 16 Cam inlets shall be mounted on an internal dead front inlet panel and shall accept standard E1016 type connectors. Quantity, color-coding and bussing of inlets shall be determined by the amperage and voltage rating of the unit as listed:

Amps	Inlets
100 - 400	(1) set of cam inlets
600 – 800	(2) sets of cam inlets
1000-1200	(3) sets of cam inlets
1600	(4) sets of cam inlets
2000	(5) sets of cam inlets
2400	(6) sets of cam inlets
3200	(8) sets of cam inlets

11. Units that contain multiple sets of cam inlets shall be provided with color coded Series 16 snap-back covers to cover the inlets when they are not in use.
12. The Ground inlet shall be wired to the enclosure frame and a Ground connection lug shall be provided for contractor termination of the building ground wire.
13. The device connection shall be made inside the enclosure and the connectors shall remain inside the enclosure while connected to the inlets.
14. The internal dead front inlet panel shall contain slots between inlets to eliminate hysteresis, as required by the NEC.
15. 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.
16. 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.
17. The Generation Connection Box shall be a PBS model as manufactured by Union Connector.



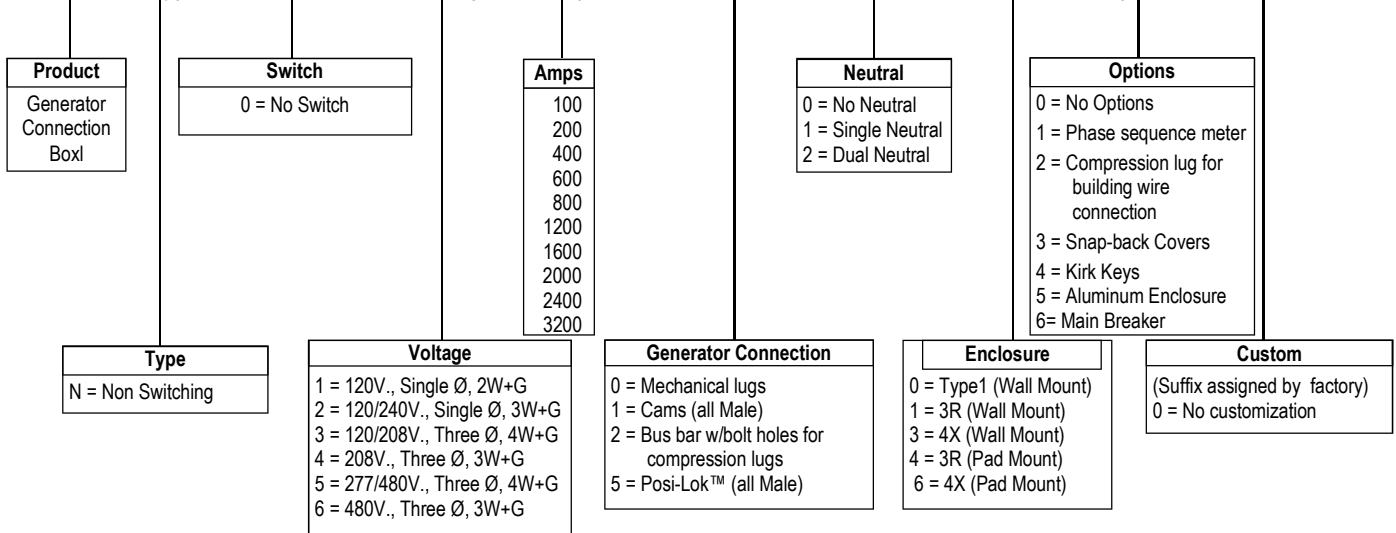
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Part Number

Example: Generator Connection Box, no switches, 120/208V., 400A., Cam connectors (single Neutral), in a Type 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



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.