

Lighting Panel Ground Bus Information: P1-P2-P3

Wire size range of the EGK / ECGK / IGK / ICGK lug connections/holes:

(note: The multiple combinations typically only apply when used as an equipment ground. If similar bar is used as a neutral bar, only one wire can be used in each hole.)

1. **Connection count:** (6) of #14-1/0 and (15) of #14-6 Connections **(21 Holes total)**.
(note: one Connection may be needed for incoming Ground Connection)
2. The **Maximum wire size the standard ground accepts is:** 1/0 in the Large Holes and #6 in the Smaller Holes.
3. **Small Hole can accept:** (1-2 wires) #14-12; (1 wire) #10; (1 wire) #8-#6.
4. **The Large Hole can accept:** (1-3 wires) #14-#10; (1 wire) #8; (1 wire) #6 - #4; (1 wire) #3-1/0.
5. **Max. connections if largest wire size is used:** $(6 \times 1) + (15 \times 1) = 21$
6. **Max. connections if smallest wire size is used:** $(6 \times 3) + (15 \times 2) = 48$
7. **Request for Ground Lug greater than 1/0 in Size requires a Special Modification in COMPAS when Line Item is entered (specify number of connections needed greater than 1/0) or Manual Line for Custom Ground (specify number of connections needed greater than 1/0).**

EGK / ECGK / IGK / ICGK Installation Instructions:

Ground bus to be mounted in either left or right gutter with hardware provided. Applied torque ratings shall be 45-lbs-inch for three No. 10 AWG solid copper conductors in the large holes. For all other combinations of conductors, refer to the torque rating label on the panelboard.

Note: For IGK/ICGK, insure ground bar is attached to Glastic insulator with 2 screws before mounting insulator to enclosure. Ground Bar mounts thru side holes oriented as shown in picture below.

This chart is on labels for P1, P2 and P3 Enclosures.

USE SIEMENS EQUIPMENT GROUND BUS TYPES EGK, IGK, ECGK, ICGK				Grd. bus location  Type 1, 3R & 3R/12 Enclosure
Torque required to secure wire sizes listed below:				
Small Terminal		Large Terminal		
(1-2 Wires)-#14-#12	20 lb-in	(1-3 Wires)-#14-#10	35 lb-in	
(1 Wire)-#10	20 lb-in	(1 Wire)-#8	40 lb-in	
(1 Wire)-#8-#6	30 lb-in	(1 Wire)-#6-#4	45 lb-in	
		(1 Wire)-#3-1/0	50 lb-in	

EGK / ECGK kit parts:



IGK / ICGK kit parts:

