APP Anderson Power Products*

Your Best Connection

An IDEAL Company

Mid Power SPEC Pak®

PN: SK2-076D05 & PK2-076DA5

Panel Mount Receptacle (Socket) Assembly Instructions

1. Panel Mount Receptacle

- a. Clean and dry panel surface thoroughly.
- b. Orient shell with APP® SPEC Pak® logo faces up. (see figure 1)
- Sandwich panel mount receptacle gasket between panel and panel mount receptacle shell. (see figure 1)
- d. Secure the panel mount receptacle shell and gasket to the panel with four (4) each M4 or #8 screws (not included) in an alternating manner. Suggested torque 7 - 10 in-lbs.
- Slide approximately 8 inches (200 mm) of wire through the panel mount receptacle.



- Strip approximately 2 ¾ inches (70 mm) from the outer cable jacket, if applicable.
- b. Strip individual wire(s) taking care not to damage the copper conductor. (see table 1)

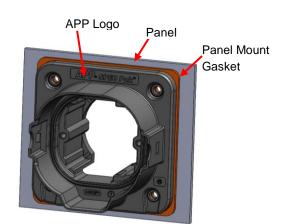


Figure 1

	Table 1						
	APP Contact Part Number	Contact Size	Wire Size AWG	Str	ip Length	Wire Jacket Outer Diameter	Wire Stranding
				Inches	MM		
	SC08-GH	#8	#8 - #10	.500" +/- 0.20"	12.70mm +/- 0.51mm	0.763" (typical)	37
	SC08-GN		(8.4 – 6.0mm ²)				

3. Crimp Contacts

a. Crimp contacts per crimp tool instructions. (See Table 2). **WARNING:** Crimping with non-APP recommended tools may produce high resistance and may effect UL & CSA approval.

Table 2					
APP Contact	Wire Size	Pneumatic	Die	Locator	Tool Pressure
Part Number	AWG	Bench Tool	Die	Locator	1001 Flessule
SC08-GH	#8 - #10	1387G1	1388G6	1389G19	00
SC08-GN	$(8.4 - 6.0 \text{mm}^2)$	1307G1	130000	1309G19	80

4. Populate Contact Holders

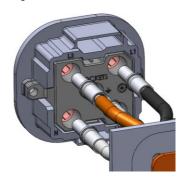
a. Positions for the power contacts are labeled L1, L2, L3 and N with L1 being in the upper right corner as you are looking at the back of the holder. (see figure 2 and 3) Insert socket(s), from the back, into the holder per your configuration. Contacts will snap into place.

Your wire color here

Your wire color here

Your wire color here

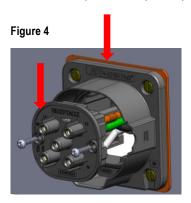
Figure 3



5.

Final Assembly

- a. Orient contact holder with the word "Receptacle" on top. (see figure 4)
- b. Slide holder into shell. (see figure 4) **NOTE**: The holder will only go in one way.
- c. Using two (2) M3.5 x 15mm Phillips head screws, secure the holder to the shell.
 - i. Recommended torque: 10 in-lbs (1.1 N-m)

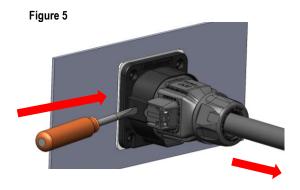


6. Assembly is Complete

 a. The connector is considered in compliance with UL 6703 only when assembled in a manner specified by these assembly instructions.

7. NOTE: Solar Mid Power SPEC Pak®

- To unlock Solar Mid Power Plug from Mid Power Receptacle(s)
 - i. Insert a flat head screwdriver into the slot on the latch and apply pressure (see figure 5)
 - ii. Gently pull on the connector to release the latch on that side
 - iii. Repeat the above two steps on the opposite side



All Data Subject To Change Without Notice

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