

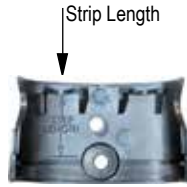
## PowerMod®HP “B” Series Female Dual Pole Connector Assembly Instructions



Contact



Connector Housing



Outer Shell



Baffles



Screw & Connector Key

- Strip wires per the picture shown:  
(Strip length measurement shown on underside of Outer Shell)

4/0 (95mm) - 1 1/16 (27mm)  
2/0 - 1/0 = 7/8 in. (22.2mm)



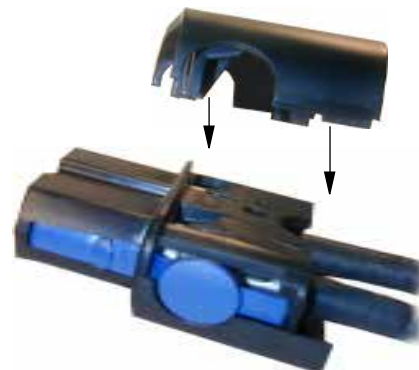
- Insert each wire into a female contact making sure each wire bottoms out in the barrel. Make sure all strands are in the contact barrel. Select a crimping tool system from the chart below.

Wire Size	Pneumatic Production Tool				Hand Tool				Hydraulic Tool	
	Part Number	Die P/N	Locator P/N	Number of Crimps	Hydraulic	Battery	Die P/N	Number of Crimps	Part Number	Number of Crimps
4/0	1387G2	1303G3	1304G25	2	1387G3	1370	1322G14	2	1368	2
95mm <sup>2</sup>	1387G2	1303G17	1304G25	2	1387G3	1370	1322G1	2	1368	2
2/0-70mm <sup>2</sup>	1387G2	1303G16	1304G23	2	1387G3	1370	1322G3	2	1368	2
1/0-50mm <sup>2</sup>	1387G2	1303G8	1304G23	2	1387G3	1370	1322G13	2	1368	2

- Crimp the contact barrels.



- Verify that the wire/contact is located in the proper position (A or B). Insert the crimped contacts into the connector housing. Shoulders of contacts will snap under retaining tabs when fully inserted.



- Slide the outer shell into the connector housing securing contacts firmly in position. If the outer shell resists insertion, check that the contacts are fully seated in the housing.

- If using the cable strain relief clamp option, please refer to APP Assembly Instructions Dual Pole Strain Relief.

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- 7) After the shell is in place, the baffles should be used at the cable exit end, if no cable strain relief is used. Two pairs of baffles are provided, a large opening and a small opening. Select the smallest baffle opening that fits over the cables without resistance. The internal shoulders of the baffle have sit against the undercut on the back of the sub-assembly.



- 8) Holding the baffles in place, insert the screw (capturing both baffles) and hand tighten until the thread engages in the assembly. Tighten the screw to 2 in-Lbs.(0.57Nm)\*. to complete the assembly.

- 9) Optional Connector Key – A blue plastic key is included for applications where multiple connectors might be used. The key acts as a mechanical block to assure only the right pair of connectors are mated. The key is inserted into the hexagonal hole from the front of the connector with the triangular portion facing out. The raised pointer on the front surface of the triangular area should be aimed at the number (1-6) that corresponds with the number that the pointer on the key in the mating connector half is aimed at ( i.e. both keys pointed at 2) . This will assure proper mating.



\* Nm=.114 x inch-lbs

### **WARNING**

NEVER WORK WITH LIVE CONDUCTORS