

Powerpole® Pak Assembly Instructions

- Strip insulation from the end of the wire to be terminated, being careful not to damage the copper conductors.

$$X = 5/16 \text{ inch} \\ = 7.9 \text{ mm}$$

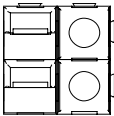


- Terminate wire by inserting it into the contact and crimping, using a recommended Anderson crimping tool. Crimping by other tools may produce high resistance joints or contact distortion resulting in improper seating of contact in Powerpole housing. For safety reason, crimping is recommended rather than soldering.

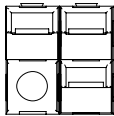
Tooling

Type	Part Number	Loose Piece Contacts
Hand	1309G2	1331, 1332, 261G1-LPBK, 262G1-LPBK, 200G2H-LPBK, 200G2L-LPBK, 261G2-LPBK, 269G1-LPBK, 269G2-LPBK
Hand	1309G3	261G1-LPBK, 261G2-LPBK, 269G2-LPBK, 269G3-LPBK
Hand	1309G6	200G1-LPBK, 1830G1-LPBK, 201G1H-LPBK
Pneumatic	1367G1	1331, 1332
Insertion/Extraction	111038G2	All the above

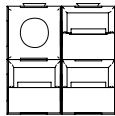
- If Powerpoles are not already assembled into a block or cluster, slide them together so that they dovetail into the desired multipole configuration. Adjacent Powerpoles are properly aligned when they form a hole for the retaining in. Note: Spacer Keys (long and short) may be used to complete the Powerpole block for a 4, 6, 8, or 10 pole configuration whenever less than the maximum number of Powerpoles is required and they are ideal for satisfying any keying requirements.



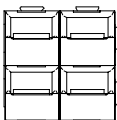
2 Pole Male & Female



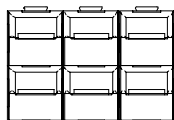
3 Pole Male



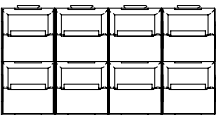
3 Pole Female



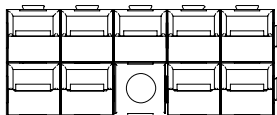
4 Pole Male & Female



6 Pole Male & Female



8 Pole Male & Female



10 Pole Male & Female

- Insert a contact and wire into each housing from the rear. Position contacts as shown (See Fig. 1a) and push forward using insertion/extraction tool, so that contact slips under the barrier and snaps over the end of the retaining spring. (See Fig. 1b) Repeat until all wires assembled with contacts have been firmly locked into their respective Powerpole housings.

Fig. 1a



Fig. 1b



Powerpole® Pak

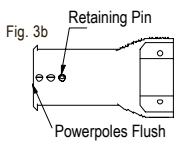
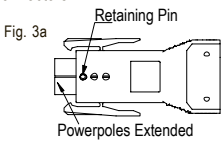
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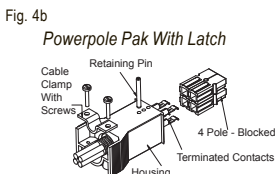
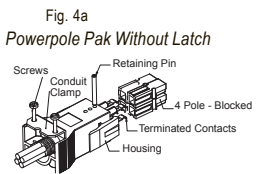
Contact Removal: Use insertion/extraction tool. Place one of the forward prongs of the tool between the contact and spring using a rotary motion. Continue rotation while pulling on the wire until the prong causes disengagement of the contact from the spring. Withdraw contact from rear of housing (See Fig. 2)



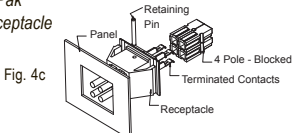
5. Feed wires through the Powerpole Pak outer housing and pull the cluster of Powerpoles into the housing. Secure it in a flush or extended position as desired with one or more retaining pins. Use forward hole for "extended" positioning (See Fig. 3a) and rear hole for "flush" positioning (See Fig. 3b) of Powerpole connectors.



6. Place the cable clamp over the wires as they come out of the rear of the plug and screw it down (see Fig. 4a). Be careful not to pinch any wires. Do not over torque screws or stripping of the housing may result. Flexible conduit clamp fits into the flex as shown (See Fig. 4b). Powerpole clusters are mounted in the snap-in receptacle housings (See Fig 4c). No cable clamps are required for these assemblies.



Powerpole Pak Snap-in Receptacle



7. Powerpole Pak Snap-in Receptacles are designed for use in panels 0.030 – 0.134" thick. Knockout sizes for 4, 6, 8 and 10 pole housings are as shown below.

Catalog Number	Knockout Size
1470G1 (2, 3, 4 pole)	1.00 x 1.25" (25.40 x 31.75 mm)
1470G2 (5, 6 pole)	1.00 x 1.62" (25.40 x 41.28 mm)
1470G3 (7, 8 pole)	1.00 x 1.88" (25.40 x 49.28 mm)
1470G4 (9, 10 pole)	1.00 x 2.19" (25.40 x 55.58 mm)

4 Pole	6	8	10
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(Actual Size Shown)

Note: Knockout sizes shown are typical. Actual size required may vary depending on panel thickness and must be determined by the customer.

UL and CAS Reference – These connectors are recognized under the component program of Underwriters' Laboratories. File E26226, as well as by the Canadian Standards Association. Report LR25154. TUV – Rheinland certification per DINVDE0627 pending. Patents: Powerpole connectors are patented under one or more of the following patents: U.S. 3,218,599; 3,259,870. Canada; 744,470; 744,469. U.K.; 965,073; 965,074.

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