Assembling the Binder 4-pin Connectors

The pin assembly slides into the metal housing. Note that the housing is grooved such that the pin assembly can only fit in in one orientation. Also note that one end of the metal housing is beveled – so note the orientation relative to the pin assembly.

Note that you should have already threaded the plastic crimping piece onto the cable AND connected the cable to the pin assembly.

The pin assembly should sit flush against the beveled end of the metal housing.

The two halves of the plastic housing go on next. Note that the plastic housing pieces have a thin groove which mates with the beveled end of the metal housing.

Align those grooves with the metal housing and snap the plastic halves together.

The plastic housing connects at the hinges on the side.

Rotate the plastic housing until you feel the metal housing and pin assembly seat properly. You will feel a distinctive snapping into place and the plastic housing will snap a bit more tightly together.

If you do not seat the pin assembly correctly in the plastic housing, these pieces will not fit correctly in the outer housing.

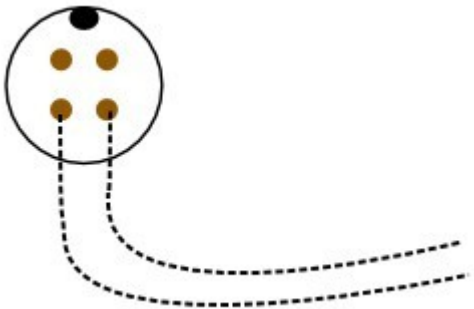
Note the orientation of the groove with the black half of the plastic housing.

When you feel the whole thing snap properly together, the groove will be aligned with the middle of the black half.

The end of the inner metal housing goes into the outer metal housing in this orientation.

Slide the pin assembly + inner housing + plastic housing all the way into the outer housing.

Finally, screw the last plastic piece onto the threaded end of plastic housing to crimp down on the cables.



Here is the pinout diagram for the connector. The two leads **opposite** the alignment groove are the correct leads to used.

This is a switch. It only measures continuity. It does not matter which lead goes to which pin.