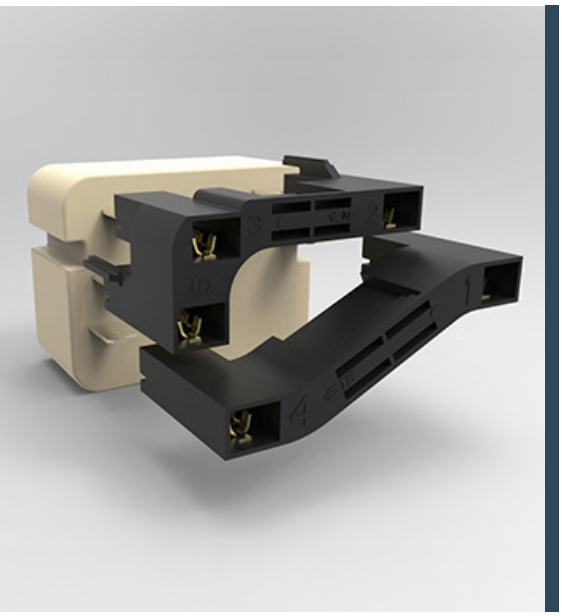


INFINITE SWITCH HOUSINGS

RECEPTACLE HOUSINGS FOR K-STLYE INFINITE SWITCHES

PRODUCT DESCRIPTION

TE Connectivity (TE) introduces two and three position housings for use with K-style infinite switches. Infinite switches are rotary switches commonly used to control resistive heating elements. They are used on electric cooking ranges, space heaters, hot plates and similar applications. TE has developed a broad range of housings for infinite switches used in the appliance industry. These housings, including new models for K-style infinite switches, offer applied cost savings and error proofing. TE's new housings are designed for Positive Lock Mark II receptacle terminals which offer low insertion force and high retention force. Unlike some competitive housings, the new TE housings are designed to accept both single and double crimps, potentially lowering the applied costs by eliminating unnecessary splices.

KEY FEATURES

- Two and three position, nylon 6/6 housings for use with straight Positive Lock Mark II receptacles
- Electrically insulate terminals
- Operating temperature ranges from -40 to 130°C
- Allow as many as three connections to be made at once, potentially speeding this step of assembly
- May help prevent mis-mating in the application
- Improve ergonomics for assembly workers
- Are UL recognized (file E28476) for the U.S. and Canada when used with designated receptacles

BASIC PRODUCT DETAILS FOR ACCEPTABLE TERMINALS

- 187 and 250 series, straight, Positive Lock Mark II receptacle terminals on wire can be inserted into the housings (housing part number dependent)
  - These low insertion force receptacles incorporate a feature that latches onto the tab with a tactile and audible click for high retention force and secure connections
  - These receptacles strongly resist disconnection when pulling force is exerted on the wire; however, pulling on the housing releases the receptacle latches and allows disconnection

APPLICATIONS



Electric cooking ranges



Space heaters



Hot plates

- Other applications where resistive heating elements are controlled with K-style infinite switches

DESIGN-IN QUESTIONS

1. Are you using K-style infinite switches to control resistive heating elements in your design?

2. Would you like to apply receptacles to multiple terminals of those switches simultaneously to potentially speed up your assembly process and help reduce mis-mating errors?

3. Are you looking for a more ergonomic way to apply the receptacles to the tabs?

4. Do you need to accommodate up to two wires per receptacle in your application?

If the answers are "yes," these new multi-position infinite switch housings with Positive Lock Mark II receptacles could represent a great solution for the application.

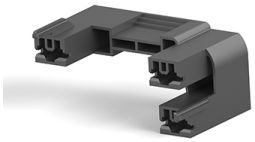
INFINITE SWITCH HOUSINGS FOR K-STYLE SWITCHES

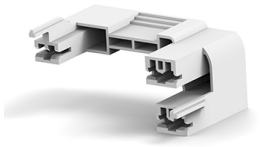
RECEPTACLE HOUSINGS FOR K-STYLE INFINITE SWITCHES

Part Number	1969864-1	1969865-1	1969870-1
Color	Black	Black	Natural
Position	2 X 250	3 X 250	2 X 250 and 1 X 187

Typically, the two position housing is used along with one of the three position housings. The three position housing required varies based on the particular K-style infinite switch used in the application.







POSITIVE LOCK MARK II TERMINALS FOR K-STYLE INFINITE SWITCH HOUSINGS

Part Number	2238156-1	2238155-1	170329-1	173691-1
Description	250 Positive Lock Mark II 22-18 AWG TPBR	250 Positive Lock Mark II 18-14 AWG TPBR	250 Positive Lock Mark II 15-10 AWG TPBR	187x032 Positive Lock Mark II 20-16 AWG TPBR

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Published 08-25