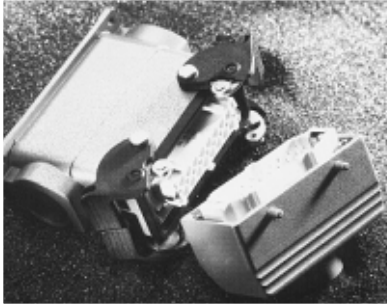


Pos-E-Kon™

Frequently Asked Questions



Answers to the Questions Most Frequently Asked by Users of Pos-E-Kon Connectors

International Standards, Worldwide Use

Why?

Rectangular Circuit Interconnections

- Best use of space for multiple contacts in heavy duty housings.
- Easy to assemble with many different insert options.
- Best fit for easy access in panels, machinery, and enclosures.
- Sealed connector with quick disconnect handles.
- Wide variety of circuit possibilities from standard items.
- Solid or stranded wire in fixed or portable applications.

What?

- Servo controls.
- Sensing and feedback loops.
- Conveyor and process controls.
- Low power, DC, or logic systems.
- Combination power systems and other circuits.
- Modular controls including fiber-optics connections.

Who?

- Machine tool OEMs.
- Material handling equipment OEMs.
- Robotics systems OEMs and installations.
- Packaging machinery OEMs and facilities.
- Control panels and PLC systems.
- Molding, assembly, or line machinery OEMs and facilities.
- Construction, mining, and welding apparatus.
- Carnival applications.

Where?

Worldwide agency approvals and applications

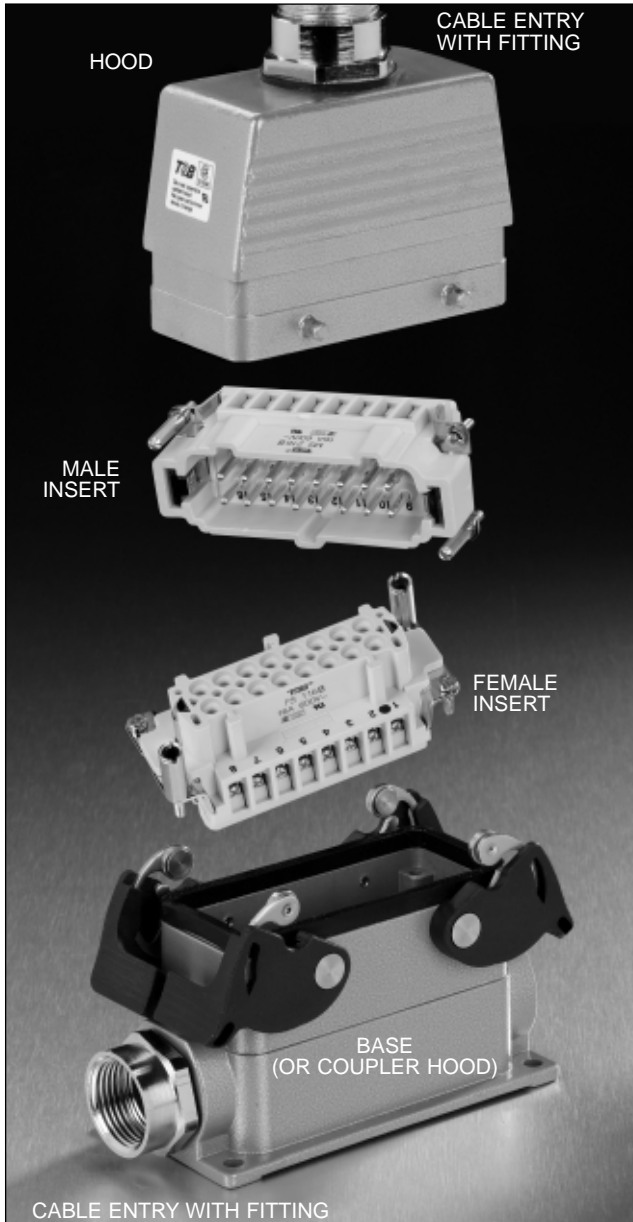
- DIN VDE 0627/86, 0110/02.79, and 0110-1/04.97.
- IEC 60.664-1, DIN/IEC 512.
- UL recognized (E215386) and CSA certified
- Protection classes IP44 through IP65 per IEC 529.
- Component use in CE marked equipment OK per IEC Council Directive July 1999, 73/23/EEC.

How?

- Available from Thomas & Betts – Pos-E-Kon authorized distributors.
- For sales and service, contact your Thomas & Betts Regional Sales Office. Refer to back cover for contact information.

The Basic System: How to Build for an Application

- Step 1** —Maximum voltage and amperage requirements (300V or 600V classes, 10-80 amps).
Step 2 —Number of contacts or circuits needed.
Step 3 —Choose wire termination style; screw terminal or crimp contacts. Select series from charts.
Step 4 —Base (or Coupler) and Hood construction/mating selection per series (single or double levers).



As Easy As 1. 2. 3. 4.

1. Hood

- Separable housing for inserts.
- Top or side conduit/wire entry.
- Standard locking posts, dual or single.
- Locks to Panel Base, Box Base or in-line Coupler Hood

2. Base Housing (or Coupler Hood)

- Surface wall mount box base (shown).
- Panel Base for through-panel access.
- Coupler Hood mating for portable use.
- Single or dual “Lever” locking.

3. Male Insert

- Male contact carrier body.
- Screw terminal contacts (pins with wire protection saddles) or crimp terminated pins.

4. Female Insert

- Female contact carrier.
- Screw terminal contacts (sleeves with wire protection saddles) or crimp terminated sleeves.

DIN Standard Configurations

- Most inserts and housings are interface compatible with other DIN standard lines.
- Pos-E-Kon construction includes standard NPT conduit adapters for hoods and bases, with many options available. DIN standard hoods and bases may have “Euro Style” Pg fittings (or none) included unless specially ordered.