

Hydro Bond Engineering Ltd

Underwater Mateable Electrical Connectors: Metal Keyed



Underwater Mateable Electrical Connectors

Metal Keyed HMK (Hydro Bond Metal Keyed)

Hydro Bond Engineering Ltd offer underwater metal keyed mateable electrical connectors from its extensive, high integrity range of subsea connectors.

Our in-house engineered and developed electrical technology is optimised for harsh environment requirements. Our products have been extensively tested both internally and externally and are field-proven on major local, national and international projects.

Our Electrical Engineers and Technicians are fully trained and certified on our equipment by City & Guilds.



Features

- Underwater mateable
- Proven shock-tested design
- Depth-rated to 2,440 MSW
- Fully open-face pressure sealed
- Metal Shell Construction
- Available in five shell sizes
- Bulkhead mount and panel mount designs available as standard
- Mounting O-Ring face seals and optional barrel seals available as standard
- Pin densities from 1 to 70 ways
- Voltage ratings up to 3,300 Volts RMS
- Current ratings up to 750 Amps
- Standard and reverse gender configurations available
- Available in 316 Stainless Steel as standard or Titanium, Aluminium Silicon Bronze, Nickel Aluminium Bronze etc. on request
- Non-magnetic versions available
- 0.75 metre conductor tails on all bulkhead connectors as standard with other lengths on request
- Optional Earth Bonding
- Optional cathodic delamination versions available
- Termination options include fully water-blocked, mechanical strain terminations and oil-filled options
- Moulding options include Polyurethane and Polyethylene
- Acetal dust caps included on all connectors (additional lanyards on request)



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Benefits

- Cost-effective diver mateable solution
- Easy to use
- Fast lead times
- Wide variety of pin configurations allows cost-effective system design
- Standard and reverse-gender configurations allow for safe system design
- Wide variety of metal options allows for best corrosion resistant design
- Extensive track record

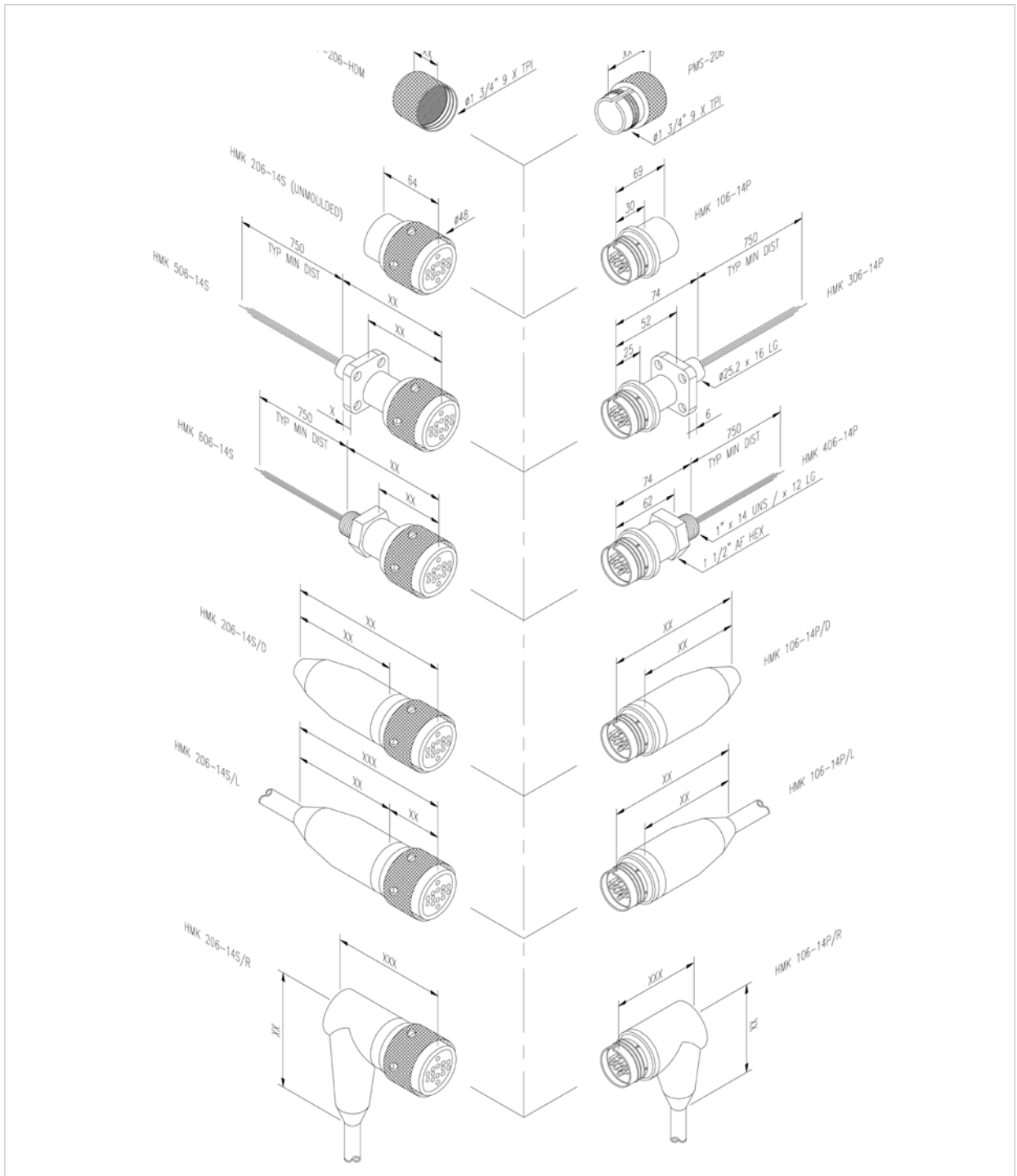


Specifications

The following page features the HMK (Hydro Bond Metal Keyed) Underwater Mateable Connector that has been designed, manufactured and field tested. The following chart features the socket / pin (face view) configuration, together with electrical, environmental and standard material specifications.

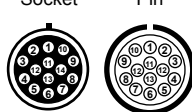
Underwater Mateable Electrical Connectors

Metal Keyed HMK (Hydro Bond Metal Keyed) : Shell Size 6 / Connector Details



Underwater Mateable Electrical Connectors

Metal Keyed HMK (Hydro Bond Metal Keyed): Shell Size 6 / Specifications

Electrical and Environmental	Standard Material Specification	Face Views
Pin Current Rating: 8 AMPS Pin Voltage Rating: 2,000 V rms Contact to Contact IR: >1,000 MOhms @ 1,000 V dc Contact to Body IR: >1,000 MOhms @ 1,000 V dc Mated Depth Rating: 2,440 MSW Temperature Rating: -20 ° C to +60 ° C Conductor Tail Size: 18 AWG Solder Bucket Size: 1.7 mm	Body: 316 Stainless Steel Fix Ring: Aluminium Silicon Bronze Back Shell: N/A Contact Pins: CZ121/Au Contact Sockets: CZ121/Au Insert Material: Neoprene Conductor Tails: Spec 44 X 1.0 m O – Rings: NI70	Socket Pin  Ref: HMK 06-14

Custom Product Design

Not found what you are looking for ?

Our in house engineers design, develop, manufacture and test new products to customer specifications.

