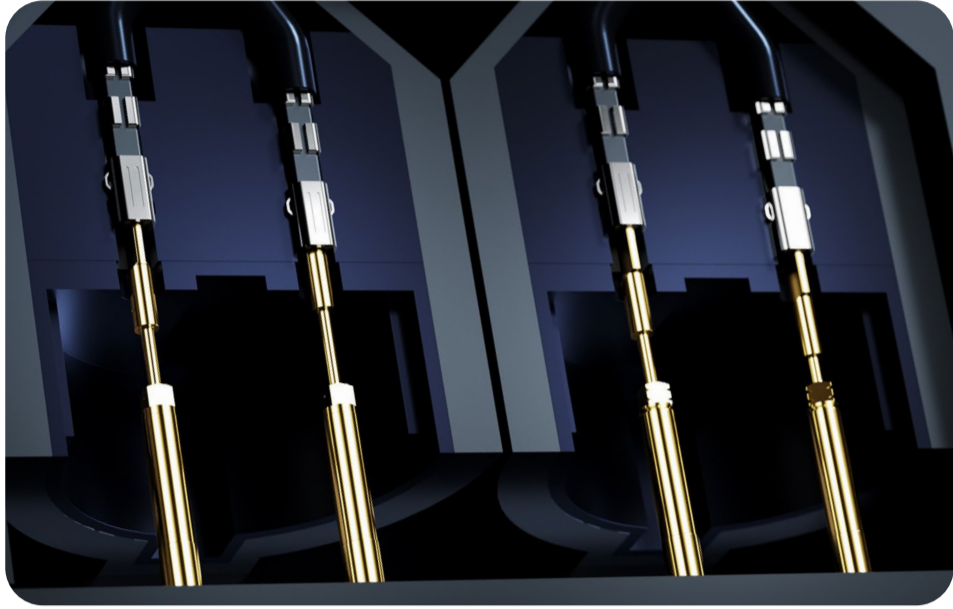


- Largest product portfolio worldwide
- Threaded Probes starting from 40 mil centers
- Largest range of Switch Probe solutions in the market
- Top quality standards



Push Back Testing

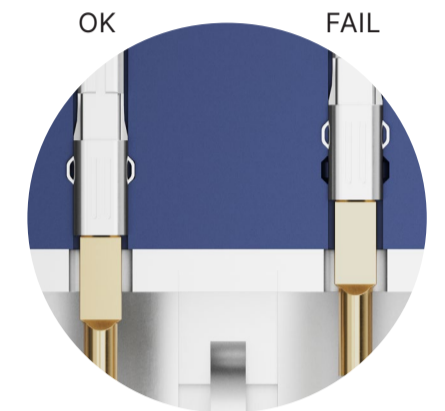
- The test procedure checks both electrical continuity and correct connector mounting.
- Without a push-back test, a not properly locked terminal could appear as OK.
- Correct mounting is detected through a switch function of the Push-Back Probe.
- The switch function can be implemented using a switch receptacle or an additional probe on a second level.

» VF100, VF3, VF4, V04, ...

Check out probes online



Typical combinations of Push Back Probes

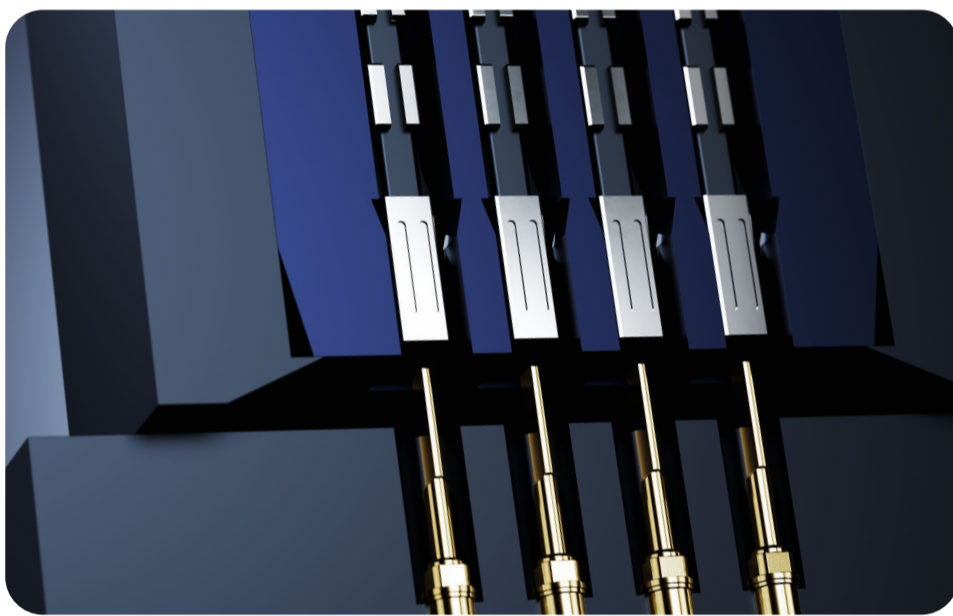


Position Testing

- Step Probes are used for Position Testing
- Verifies correct terminal position
- Error Detection: Misalignment blocks probe plate
- Result: No electrical contact, indicating incorrect mounting

» F730SP, F175SP, F176SP, F731SP, F732SP, F756SP, F733SP, ...

Check out probes online



Continuity Testing

- Threaded and Twist Proof Probes are used for Continuity Testing
- Function: Maintains a secure connection despite vibrations or side forces
- Error Detection identifies open circuits, shorts, and incorrect wiring

» F730, F175, F176, F731, F722, F724, F732, F756, F727, F733, F737, F760, F755, ...

Check out probes online



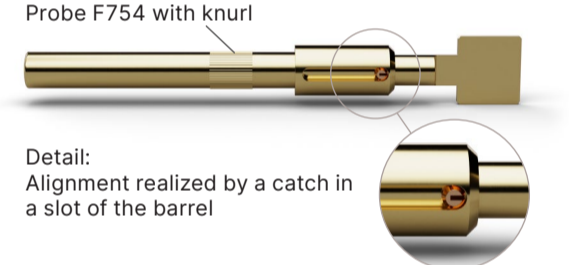
Twist Proof Probes

Design with a probe
When mounting a twist proof plug-in probe the correct alignment needs to be considered. If a receptacle is used, it can be mounted without alignment tool.

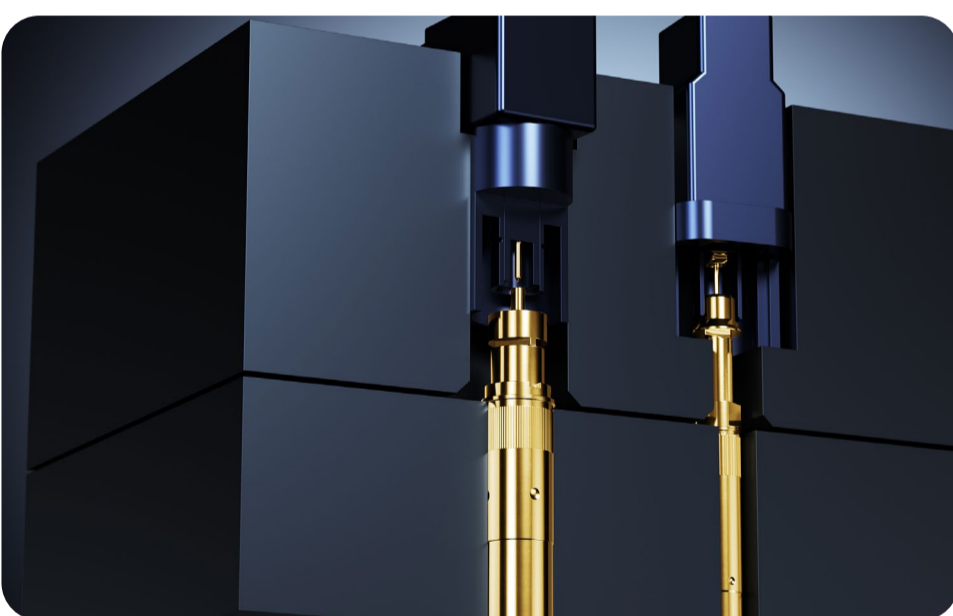
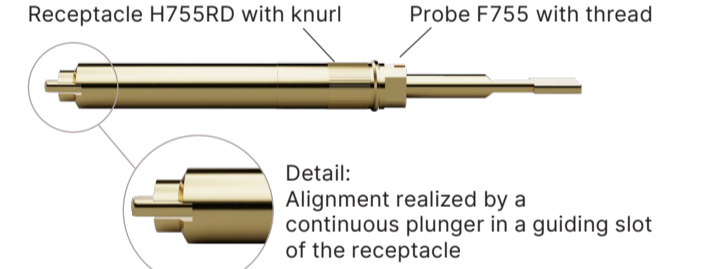
Advantage
Probe can be mounted without receptacle.

- Design with guiding slot in the receptacle
- Correct alignment must be considered when mounting the slotted receptacle.
- Threaded probes have a rectangular continuous plunger guided in the receptacle slot.
- This ensures proper alignment of the probe.

Example for a twist proof plug-in probe



Example of a twist proof design with receptacle



Connector Testing

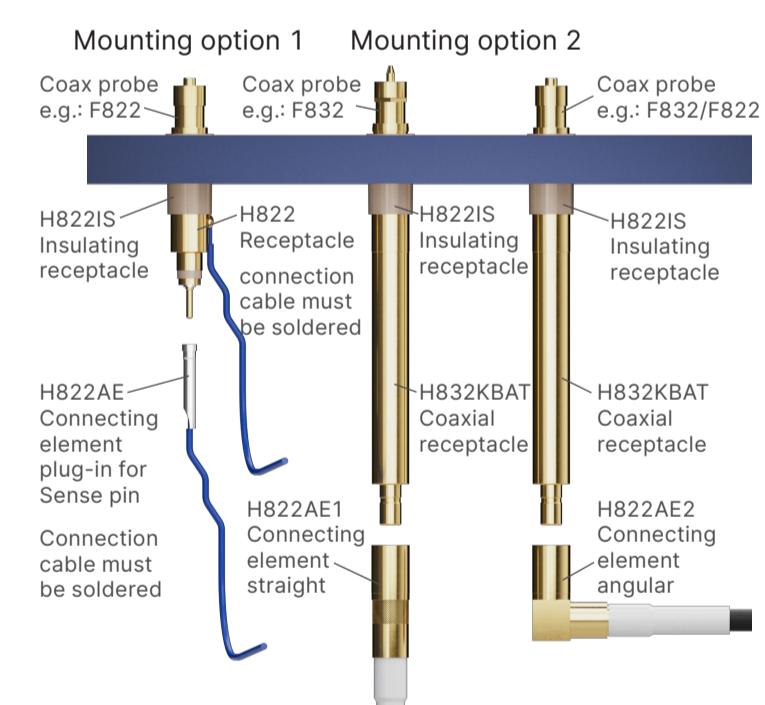
- For different connectors in various applications for example: HFM®, MateAX®, Fakra, or HSD
- FEINMETALL Solutions: Provides standard and customized connectors
- Specific Tests: Supports higher voltage, radio frequency, high current, and Kelvin testing

» F805, F810, F835, F822, F832, ...

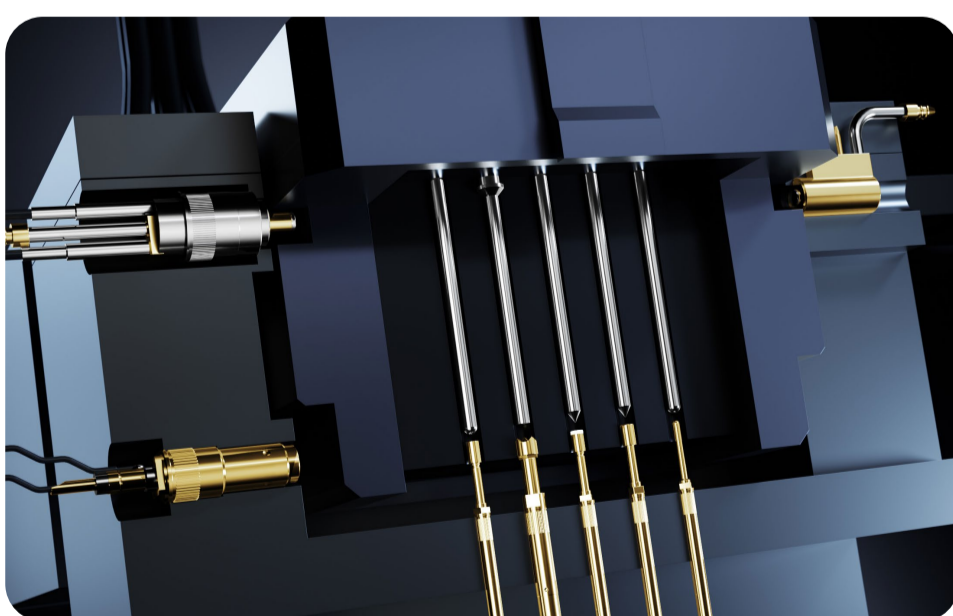
Check out probes online



Mounting options of Coaxial Probes



Notice
The pluggable F822 can be used in all screwable receptacles of series H832, too.



Presence Testing

- Purpose: Verifies if all parts are mounted correctly on the wire harness
- Checks: Clips and secondary locks, lateral detection, deepest point detection
- Method: Different switch probe types are used

» F863, F879, F875, F375, F885, F886, F385, F880, F881, F887, F487, F888, F889, F898, ...

Check out probes online

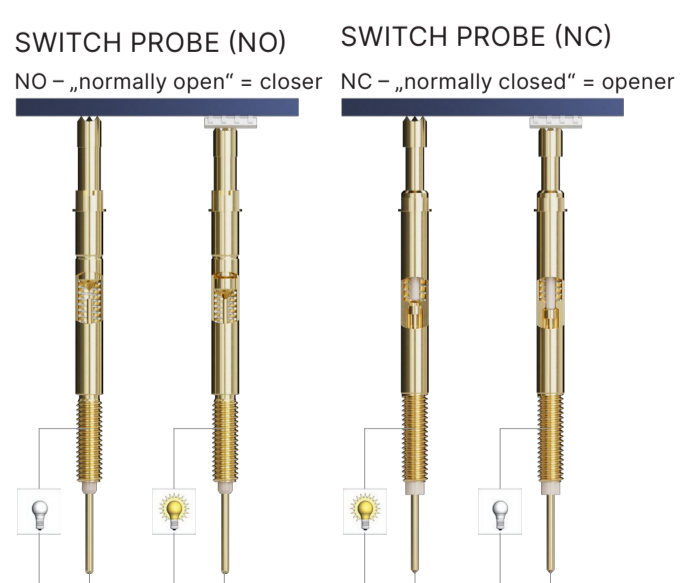


Standard Switch Probes

Probes with one switch point open or close a switch circuit after a defined switch travel

Typical applications:

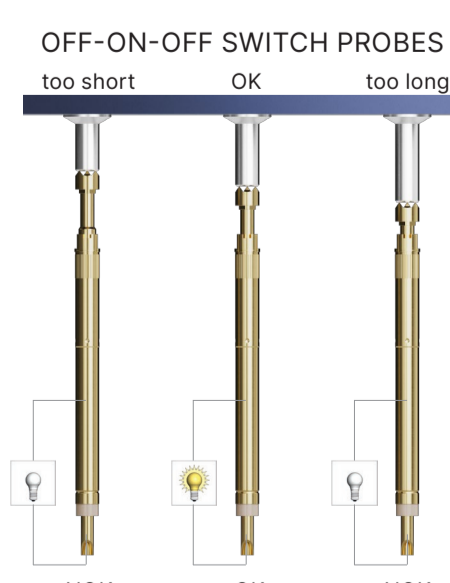
- Presence test of components or connectors
- Voltage-free detection with synthetic heads
- Short-circuit-proof modules by electrically isolated switch elements (voltage-free system)



Off-On-Off Switch Probes

Switch Probes with Off-On-Off function have two switch points. After a defined travel the switch circuit is closed and after a further travel (e.g. 1,0 mm) the switch circuit is opened again.

Off-On-Off - 2 switch points

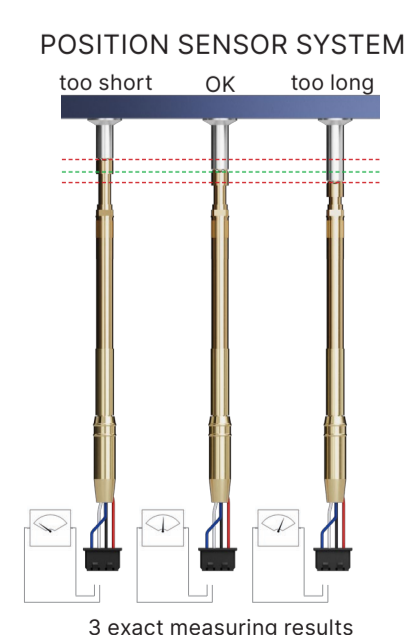


Position Sensor System (Potentiometer)

The Position Sensor System allows an exact travel measurement. This is realized by a micro potentiometer in the sensor part.

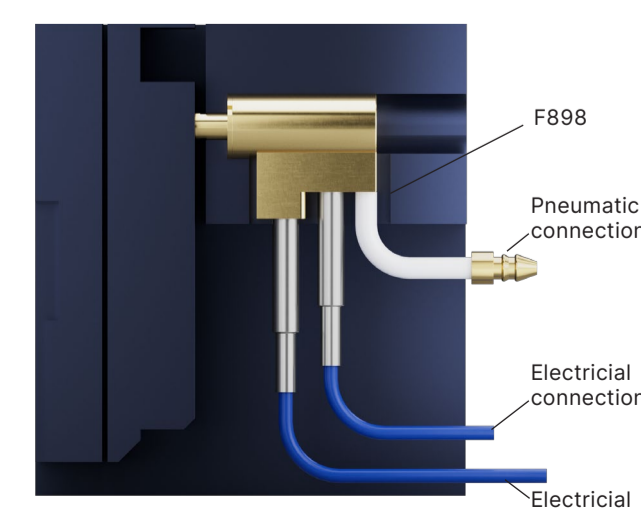
Typical applications and features:

- Exact measurement of pin lengths or hole depths
- Documentation of measurement results



Pneumatic Micro Switch Probes

- Special solution for a pneumatic presence test in limited space
- Integrated switch function detects the exact position of the test item
- Lateral setscrew allows axial position adjustment of the F898
- Axial setscrew enables fixed and secure mounting of the F898



Switch Probes with ball head

Switch Probes with ball head allow lateral movements of the test item. The contact procedure is smooth and doesn't leave marks on the contact surface.

Typical applications and features:

- Presence test of connector housings
- Airtight version allows building vacuum-tight modules
- Electrically isolated switch available

