



PRESS REPORT

Voltage – free switch probes prevent short circuit on test platforms

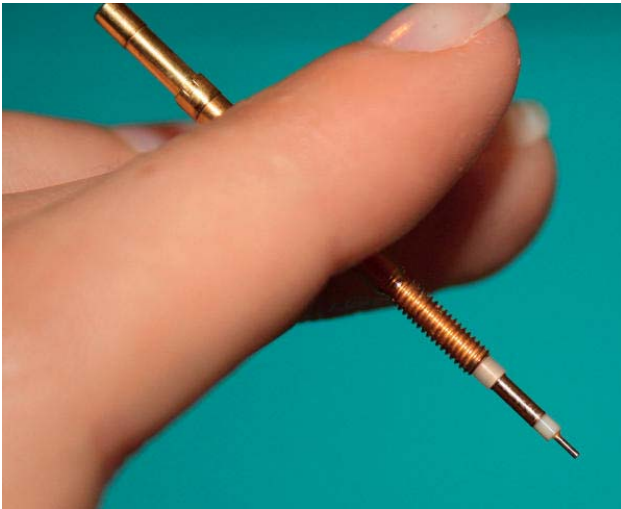
Herrenberg, 05.08.2008 –

Contact probes play an important role in the wire harness and connector test technology. One of the three corporate segments of FEINMETALL specialises in the design, development and production of top – quality spring contact probes for connector and cable harness test.

The new procurement of the test tables and test modules are generally acquired from the same suppliers, who usually have a standardised wiring concept. But during a change of product many cable harness manufacturers exchange the module only due to cost-efficiency reasons as per the new cable harness scheme. These modules are often supplied by various manufacturers with different wiring concepts and nominal voltages. This could lead to problems and damages to the electronics, even to a short circuit in the measuring circuit. To achieve a secure insulation a passage of any kind of electrical connection between two adjacent probes must be eliminated, thus avoiding an eventual short circuit possibility. The new development from FEINMETALL provides the correct solution for these cases, the new **voltage-free switch probe F881** family, which can be easily exchanged with identical previous models. This probe can be used as a presence-testing element within the contact level of the module. There exists absolutely no electrical connection from the testing plunger to the switch output. A short circuit within the module or test-fixture is therefore prevented. A receptacle for solder-free exchange is available



for all screw-in switch probes as also respective tools. A respective patent has been registered and is pending since 2007.



Technical Specifications:

- Center: 3.2 mm
- Overall Length: approx. 49.0 mm
- Assembly dimension: 10.2 – 11.7 mm (adjustable) in combination with receptacle
- Application range: Presence testing
- Receptacle H881KB for solder-free replacement or H885 as standard receptacle
- Screwing tool available



➤ **About FEINMETALL GmbH:**

FEINMETALL was established in 1964 in Herrenberg and has specialised in the field of precision engineering and micro-mechanical contact technology. The product portfolio ranges from probe cards for semiconductor wafer test to interfaces for test systems, fixtures for ICT- and functional tests including an extensive programme of spring contact probes. The products are designed and developed for applications in the electronic industries, in the automotive industries and in industry with proximity to the automobile sector. Currently there are 245 employees in the headquarters and 60 employees in one of the subsidiaries – in the Czech Republic. Worldwide there are three further subsidiaries (Taiwan, Singapore and USA), as well as partners and distributors in 37 countries across the globe. Mr. Wolfgang Buerkle is the Managing Director of the concern since 1997.

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