



Fully modular system for  
the rapid and flexible  
testing of the wiring  
harnesses

Products

[dafine.fi](http://dafine.fi)

## Products - Overview

- Dafine - Universal Adaptor System - is fully modular system for the rapid and flexible testing of the wiring harnesses.
- The test boards are ergonomically designed, easy to maintain and user-friendly.
- Automatic height and angle adjustment of the test panel are standard features in all full size boards.
- The boards are universal - any tester brand can be easily connected to the board.



## Bench-top test boards

- welded steel construction
- houses all electrical and pneumatic controls
- 128 standard test points expandable
- 128 test points for LED's
- standard sizes with height of 400 mm: 600 - 900 - 1200 mm



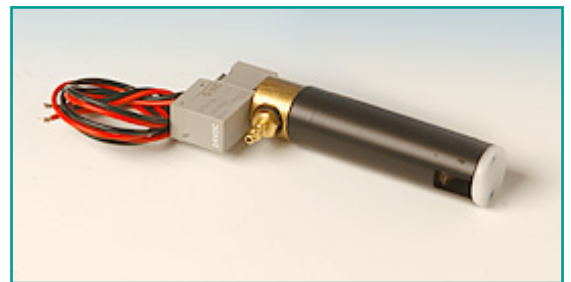
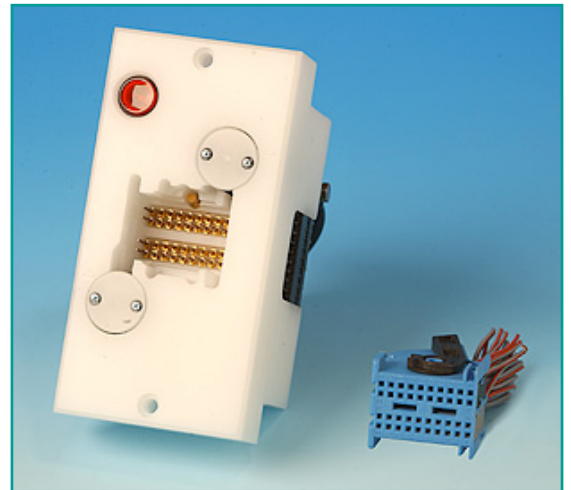
## Full size test boards

- 512 test points expandable
- 128 test points for LED's expandable
- welded steel frame
- mounting surface for tester unit and printer
- houses all electrical and pneumatic controls
- standard sizes:
  - vertical plane 1200 x 800
  - horizontal plane 1200 x 400
- special sizes upon request



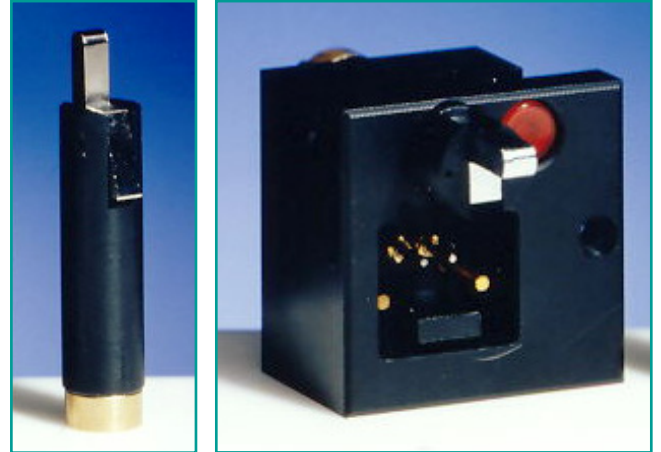
## C-Modul

- pneumatical locking and release with led button (single locking)
- standard modules with precision machined contour insure correct alignment
- spring loaded test pins provide low insertion force and prevent damages to terminals
- automatic clamping mechanism is very strong and durable
- automatic release
- high voltage versions available for ABS, air bag, etc.
- special detections available -  
wegde, seal, spring, clip



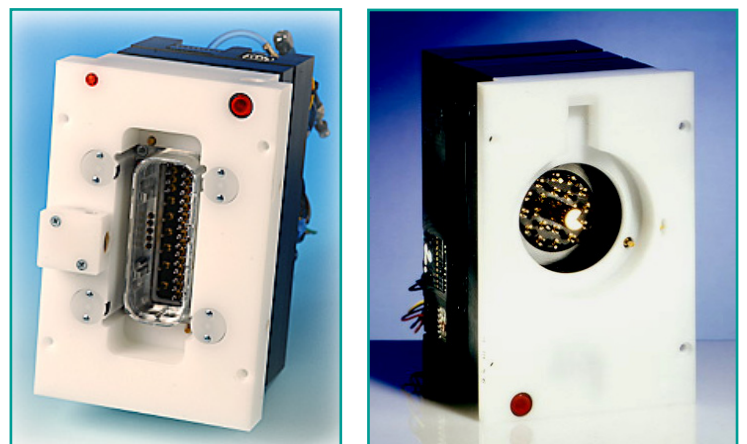
## B-Modul

- mechanical locking, pneumatical release
- the clamping mechanism is very strong and durable
- adjustable clamping for allowing tolerances in the housing



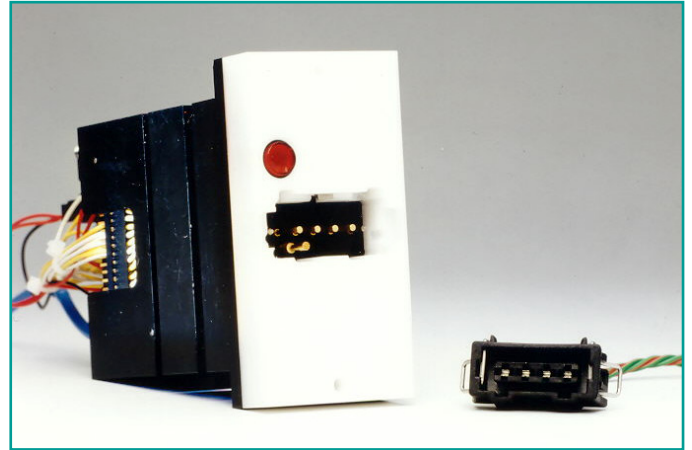
## D-Modul

- zero force
- mobile bottom with normal test pins



## E-Modul

- push-back testing with special push-back pins
- electropneumatically locking and release with led button
- double locking. Mobile bottom
- Dafine push-back modules are made of three parts:
  - a cover plate machined to accommodate the housing
  - a mobile bottom where the push-back test probes are mounted
  - a lower part with the wiring outlets and the pneumatic valve



## In-line testing modules

- B-Combi modules are frequently used in moving rotaries or carousels
- For the optimal assembly ergonomomy the modules - now with steel holders - are positioned above the board surface.
- The modules can be turned in all angles and distaces from the surface.



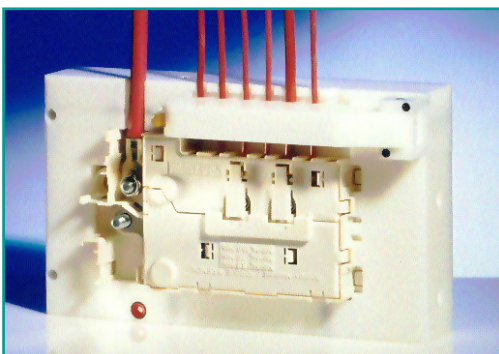
## Handmodul

- connectors with difficult access can be tested with user-friendly handmoduls



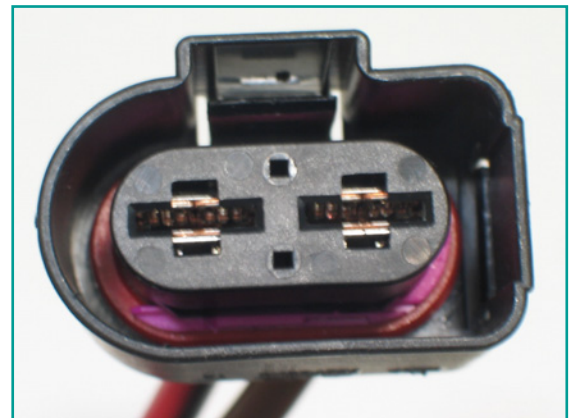
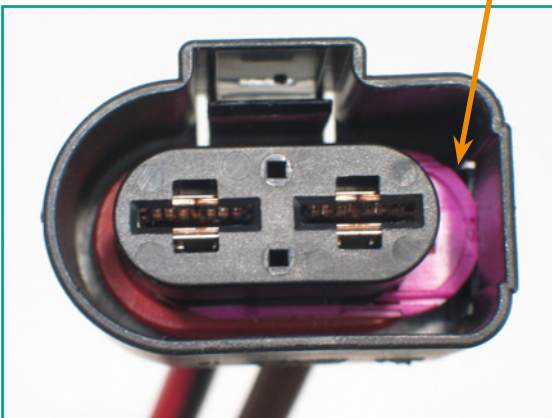
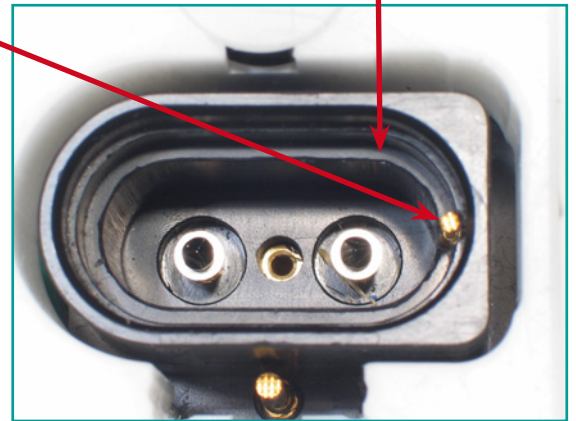
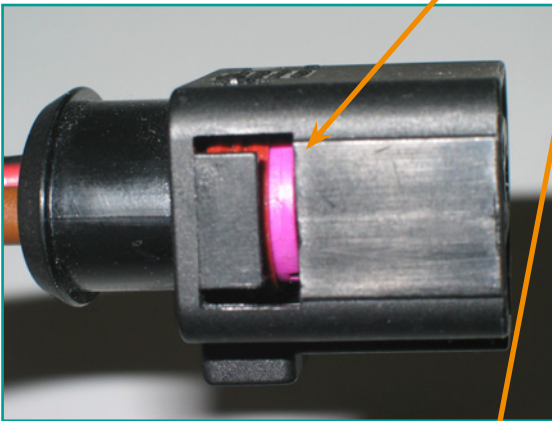
## Special modules

- Fuse boxes, B+ -functions or any special electrical device in a motorcar can be checked
- Fuses can be checked by colour
- Relays and lids functionality can be tested



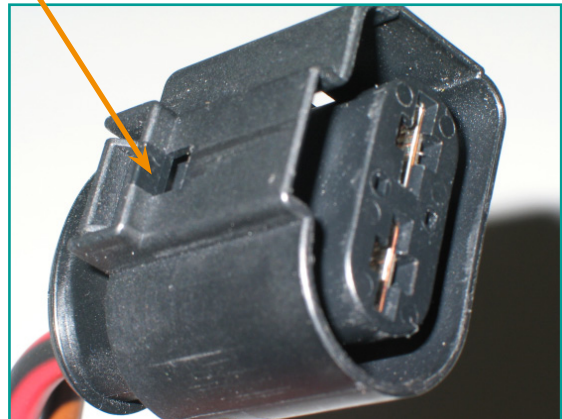
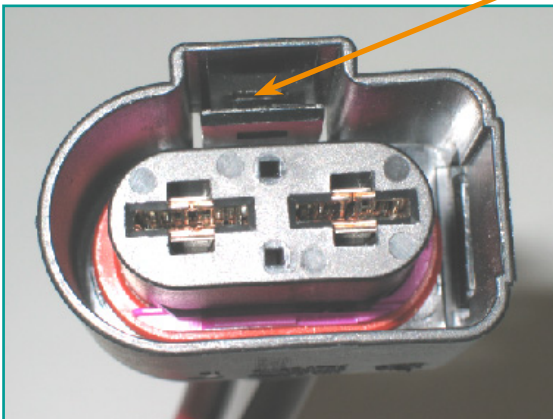
## Detections

- Secondary locking SL, SLM
- with switchpin with mechanic contour

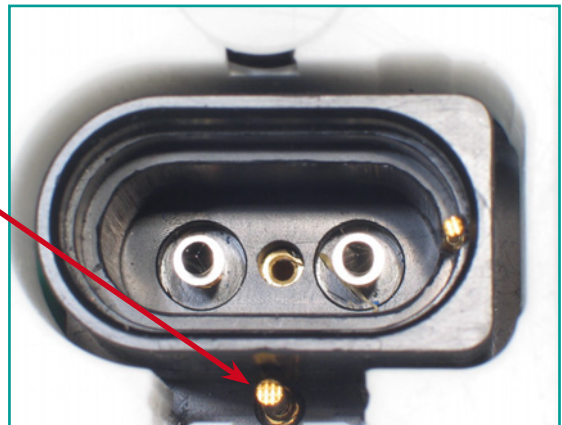


## Detections

- Connector locking CL / VF

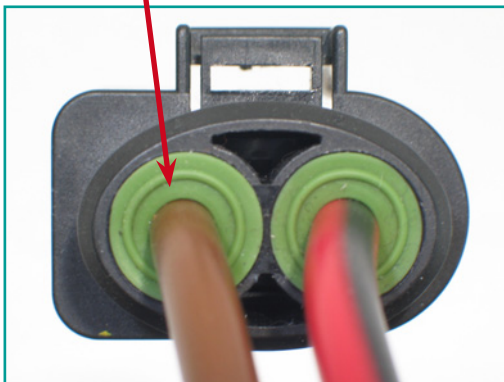
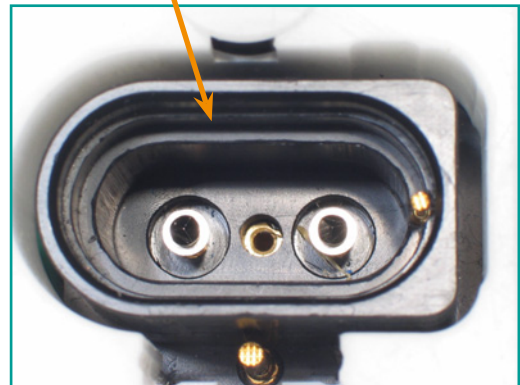
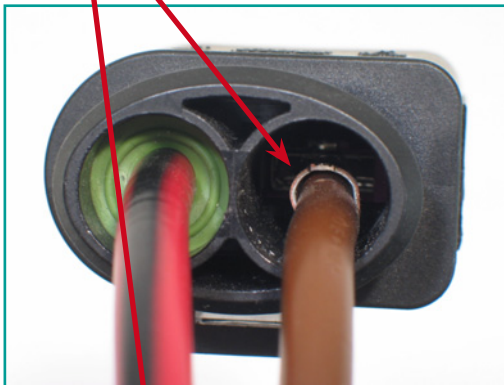
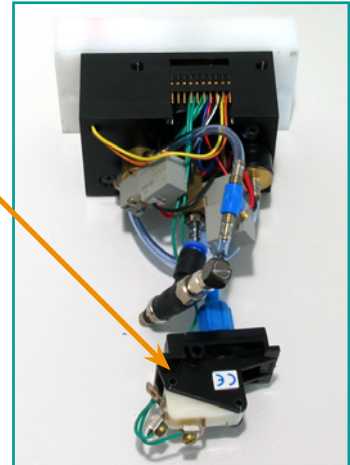


- Connector locking clip  
- with switchpin



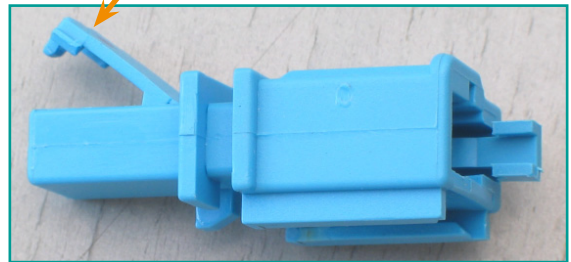
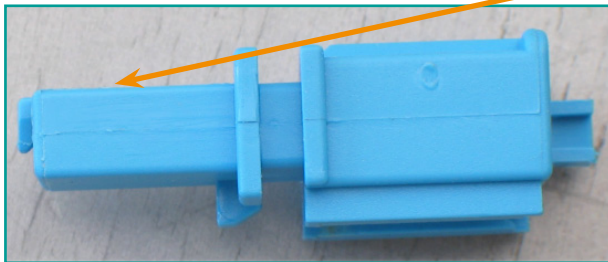
## Detections

- Leak test, framework **FM**
  - pressure or vacuum
  - overpressure 0,3 Bar
  - seal in position

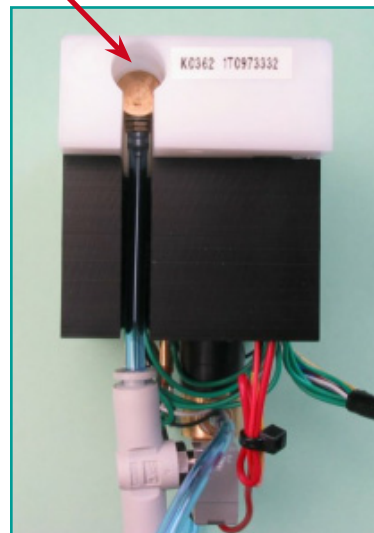
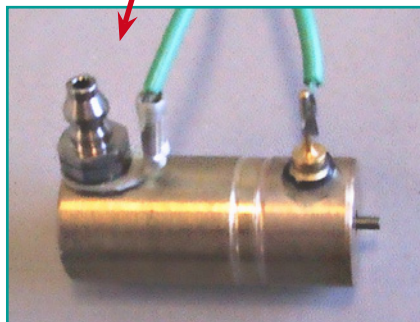
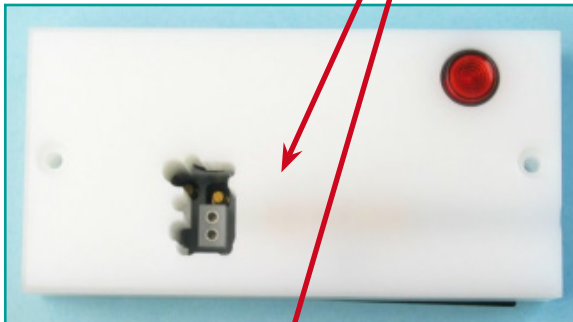


## Detections

- Secondary locking from side **SLS**

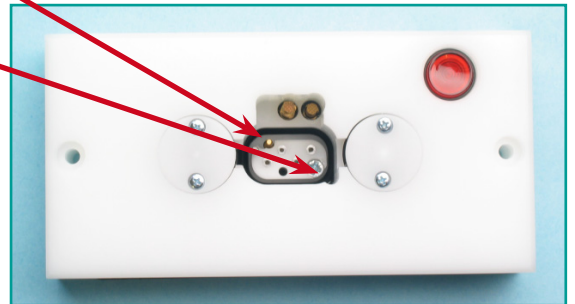
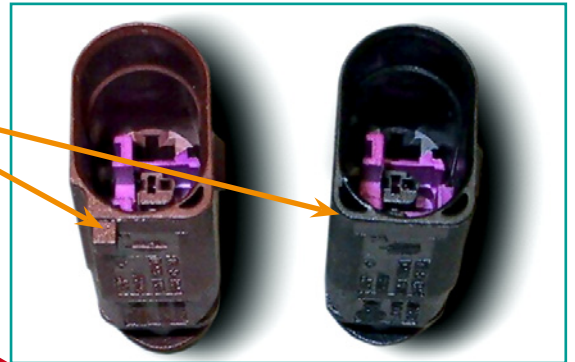


- with special component developed by Dafine



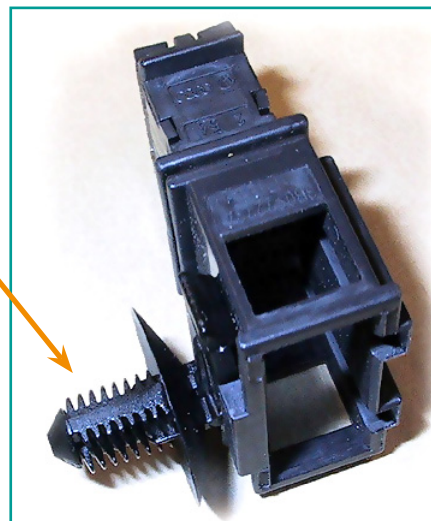
## Detections

- Colour coding **CC**
  - with steelpin / contour
  - or with switchpin



## Detections

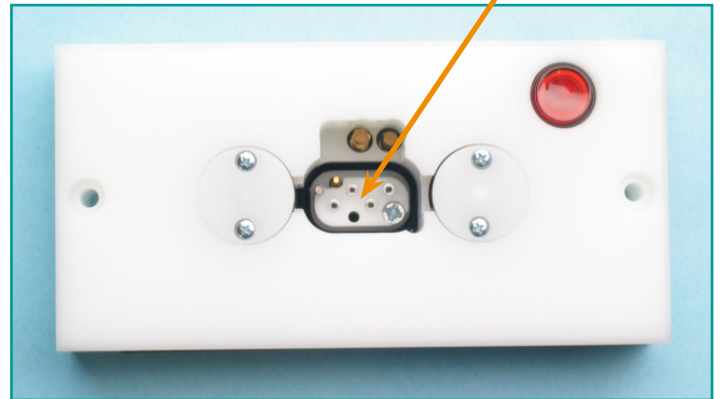
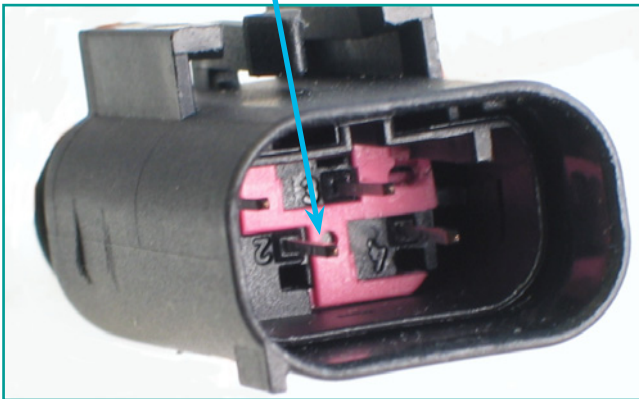
- Holder clip **HC**



## Detections

- Hole mask for small male connectors

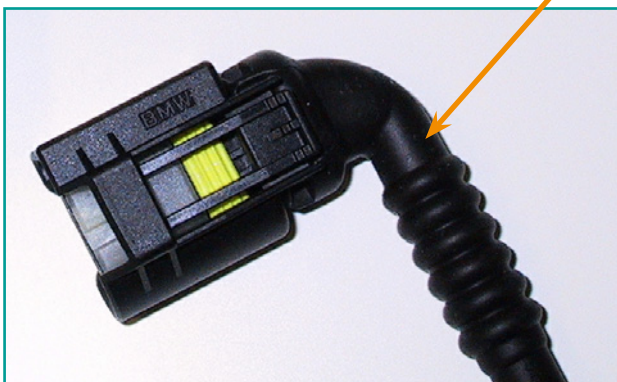
LM



## Detections

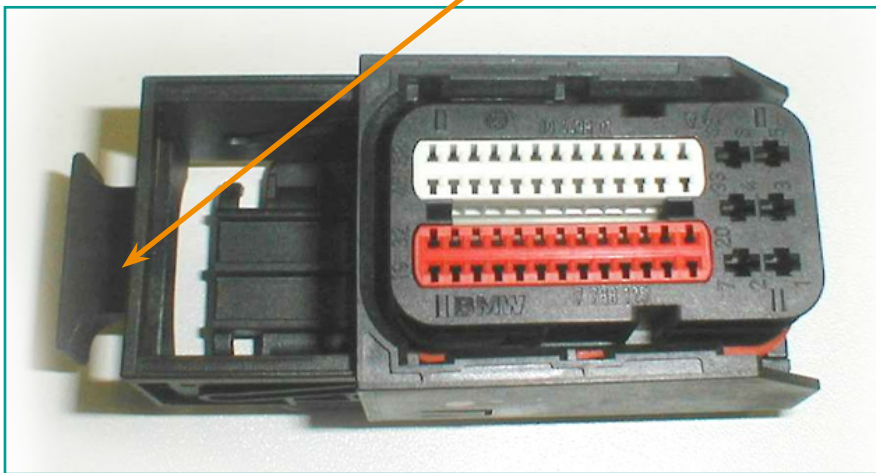
- Output direction

WA



## Detections

- Housing locking BÜ



## Detections

- Pneumatic spacer, pneumatic cover

PCL / PSL

