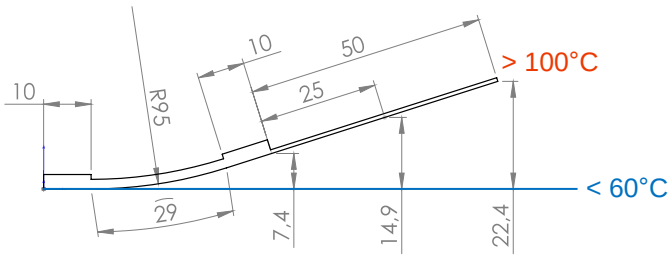
Datasheet Actuation Module:
Curve ® plugged 2910E20

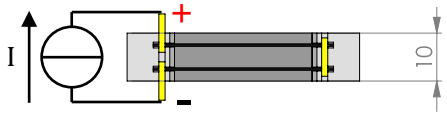
- Active length: **29** mm
- Module size: 49 mm x **10** mm x 2.5 mm
- Bending: medium (**E20**)
- Module weight: 1.5 g

Hosting structure and actuation module

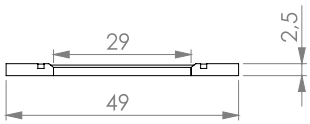


- Example hosting structure: stainless steel 0.45 mm
- Load range with high cycling stability (> 300.000)
  - at module edge: 450 g
  - at 25 mm: 270 g
  - at 50 mm: 200 g

Actuation module



- Operating mode: ***plugged***
- Thermal activation by: resistive heating
- Electronic circuit: all wires in series
- Resistivity: 0.3 Ohm
- Full Activation (DC): e.g. 3 A for 15 s / 4 A for 4 s / 5 A for 1.3 s



© CompActive GmbH All values are only estimations!

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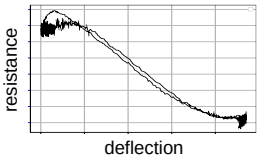
Customized high performance actuation modules by …

… high-tech solutions

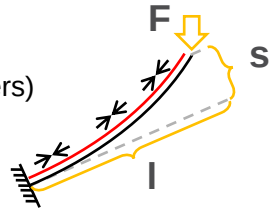
- reliable load transfer
- proven cycle stability
- injection molded frame elements
- special SMA material specifications
- high temperature FRP
- self-sensing capability

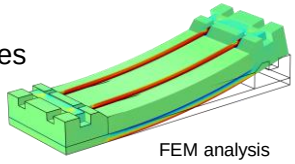
actuator test bench



… individual design

- substrate (metals, polymers)
- size
- deflection
- load / cycles
- wire material / temperatures
- electrical resistance



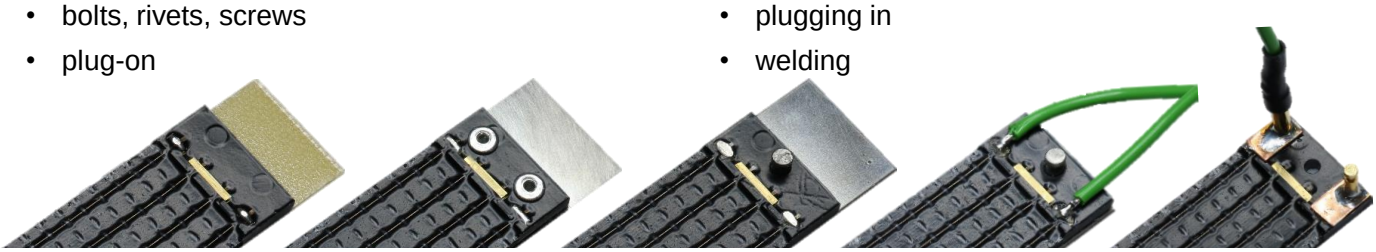

FEM analysis

… customized mechanical fixation

- adhesive films
- liquid adhesives
- bolts, rivets, screws
- plug-on

… various electrical connection

- crimping
- soldering
- plugging in
- welding



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