

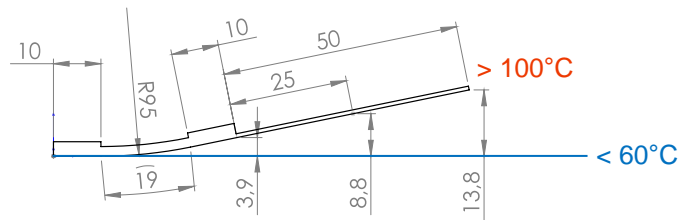
Datasheet Actuation Module: *Curve*® plugged 1940E20

- Active length: **19 mm**
- Module size: **39 mm x 40 mm x 2.5 mm**
- Bending: **medium (E20)**
- Module weight: **5.2 g**

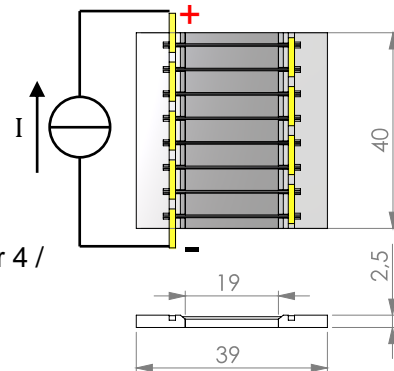
- Example hosting structure: stainless steel 0.45 mm
- Load range with high cycling stability (> 300.000)
 - at module edge: **2410 g**
 - at 25 mm: **1290 g**
 - at 50 mm: **880 g**

- Operating mode: **plugged**
- Thermal activation by: **resistive heating**
- Electronic circuit: **all wires in series**
- Resistivity: **0.8 Ohm**
- Full Activation (DC): **e.g. 3 A for 15 s / 4 A for 4 / 5 A for 1.3 s**

Hosting structure and actuation module



Actuation module



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All values are only estimations!

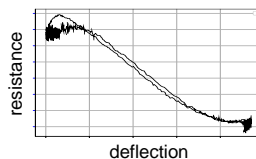
Customized high performance actuation modules by ...

... 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

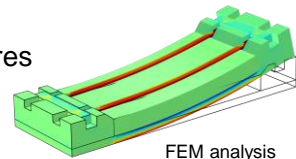
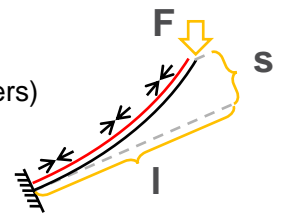


... customized mechanical fixation

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

... individual design

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



FEM analysis

... various electrical connection

- crimping
- soldering
- plugging in
- welding



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