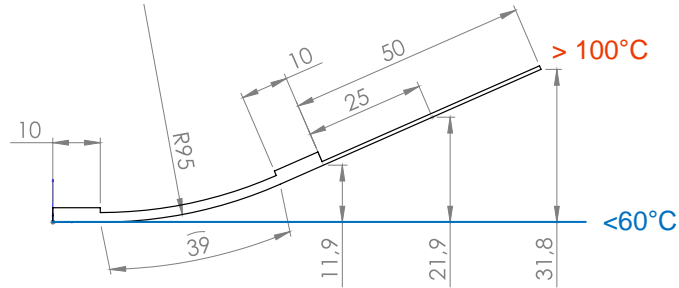


Datasheet Actuation Module: *Curve*® plugged 3940M

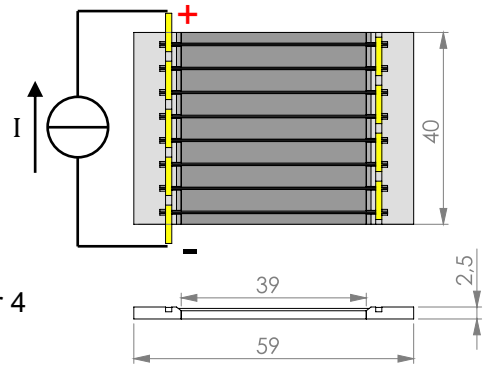


- Active length: **39 mm**
 - Module size: **59 mm x 40 mm x 2.5 mm**
 - Bending: **medium (M)**
 - Module weight: **6.4 g**
-
- Example hosting structure: stainless steel 0.45 mm
 - Load range with minor reduction of deflection and high cycling stability (>200 000)
 - at module edge: 404 g
 - at 25 mm: 268 g
 - at 50 mm: 200 g
-
- Operating mode: **plugged**
 - Thermal activation by: resistive heating
 - Electronic circuit: all wires in series
 - Resistivity: 1.6 Ohm
 - Full Activation (DC): e.g. 3 A for 15 s / 4 A for 4

Hosting structure and actuation module



Actuation module



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All values are only estimations!

Customized high performance actuation modules by ...

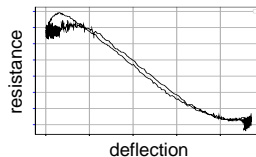


... high-tech solutions

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

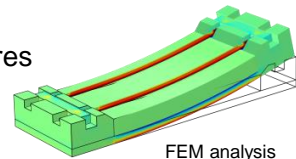
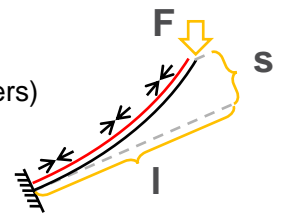


actuator test bench



... 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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