

# Datasheet Actuation Module: *Curve*® plugged 3910L

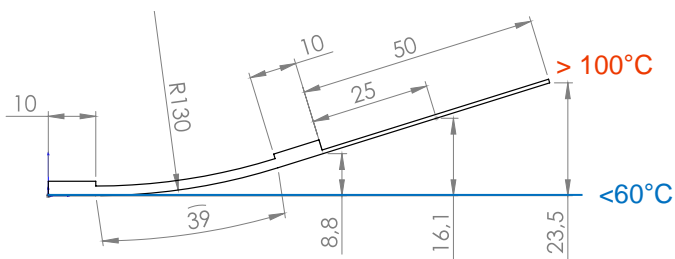


- Active length: **39 mm**
- Module size: **59 mm x 10 mm x 3.3 mm**
- Bending: **low (L)**
- Module weight: **2.1 g**

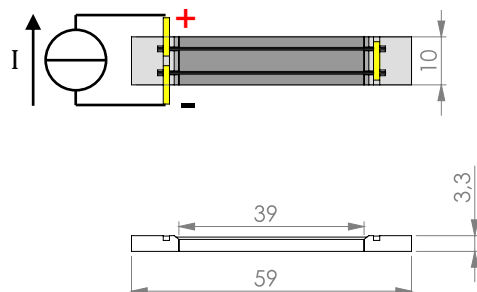
## Hosting structure and actuation module

- Example hosting structure: stainless steel 0.55 mm
- Load range with minor reduction of deflection and high cycling stability (>200 000)

at module edge:	151 g
at 25 mm:	100 g
at 50 mm:	75 g



## Actuation module



- Operating mode: **plugged**
- Thermal activation by: **resistive heating**
- Electronic circuit: **all wires in series**
- Resistivity: **0.4 Ohm**
- Full Activation (DC): **e.g. 3 A for 15 s / 4 A for 4**

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All values are only estimations!

# Customized high performance actuation modules by ...

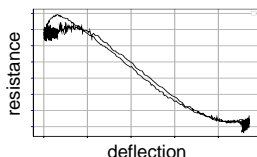


## ... high-tech solutions

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



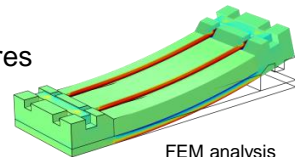
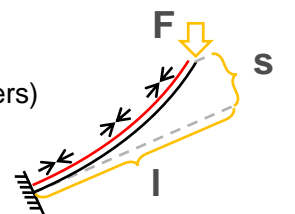
actuator test bench



deflection

## ... 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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