

Datasheet Actuation Module: *Curve*® unplugged 1910E10



- Active length: **19 mm**
- Module size: **39 mm x 10 mm x 1.8 mm**
- Bending: **high (E10)**
- Module weight: **0.8 g**

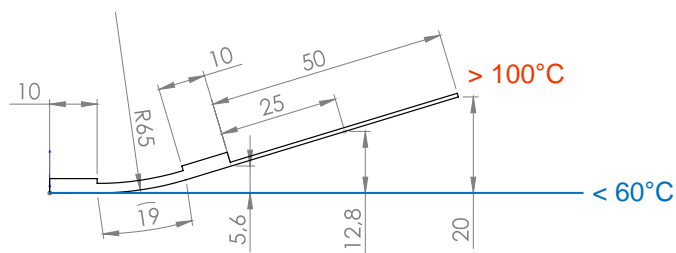
- Example hosting structure: stainless steel 0.35 mm
- Load range with high cycling stability (> 300.000)

at module edge:	270 g
at 25 mm:	150 g
at 50 mm:	100 g

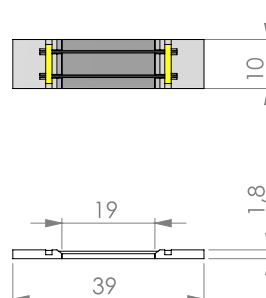
- Operating mode: **unplugged**
- Thermal activation by: external heating
- Possible external heating: convection, radiation, conduction
- Maximum temperature:

130°C	permanent
>150°C	short-term

Hosting structure and actuation module



Actuation module



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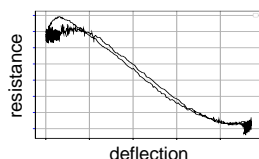
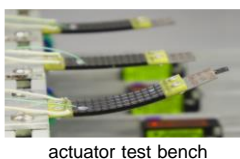
All values are only estimations!

Customized high performance actuation modules by ...



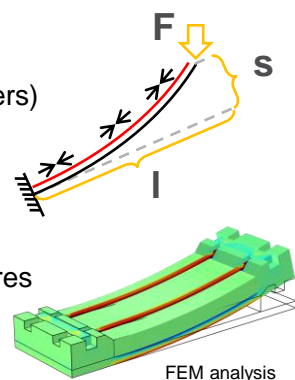
... high-tech solutions

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



... individual design

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



... customized mechanical fixation

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

... various electrical connection

- crimping
- soldering
- plugging in
- welding



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