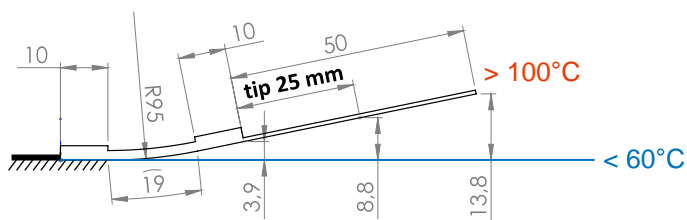


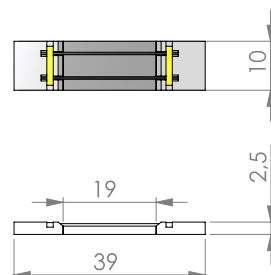
Datasheet Actuator: *Curve*® unplugged A1910E20

- Active length: **19 mm**
- Module size: 39 mm x 10 mm x 2.5 mm
- Bending: medium (**E20**)
- Weight: 1.3 g + hosting structure
- Hosting structure: steel + rivets, **tip 25 mm**
size 74 x 10 x 0.45 mm³
- Load range with high cycling stability (> 300.000)
 - at module edge: 600 g
 - at 25 mm: 320 g**
 - at 50 mm: 220 g

Actuator A1910E20



M1910E20 – Actuator Module only



- Operating mode: **unplugged**
- Thermal activation by: external heating
- Possible external heating: convection, radiation, conduction
- Maximum temperature: 130°C (permanent)
>150°C (short-term)

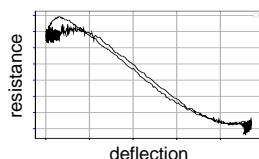
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All values are only estimations!

Customized, high-performance actuators by ...

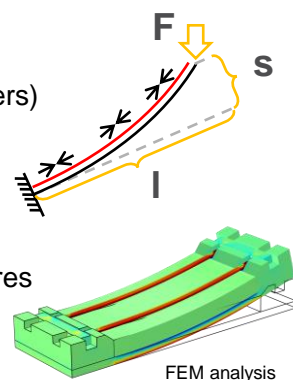
... high-tech solutions

- 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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