

Touchless Functions by CompActive

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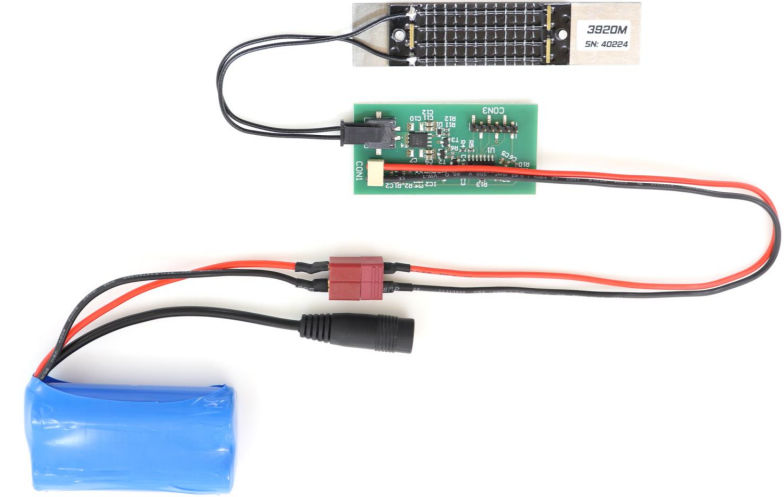
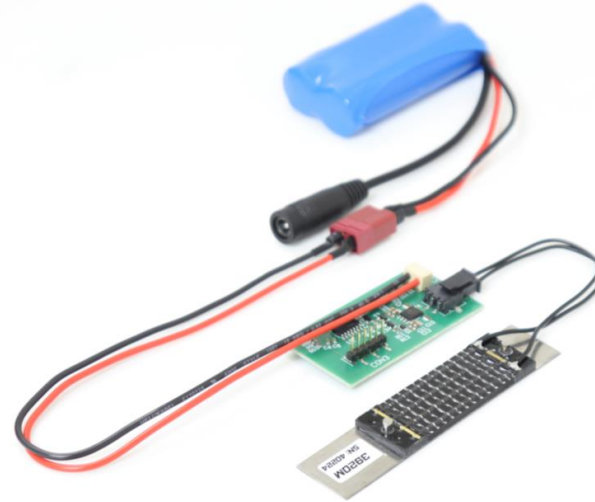


CompActive

The system – touchless functions by CompActive

System consisting of

- drive
- control
- power supply

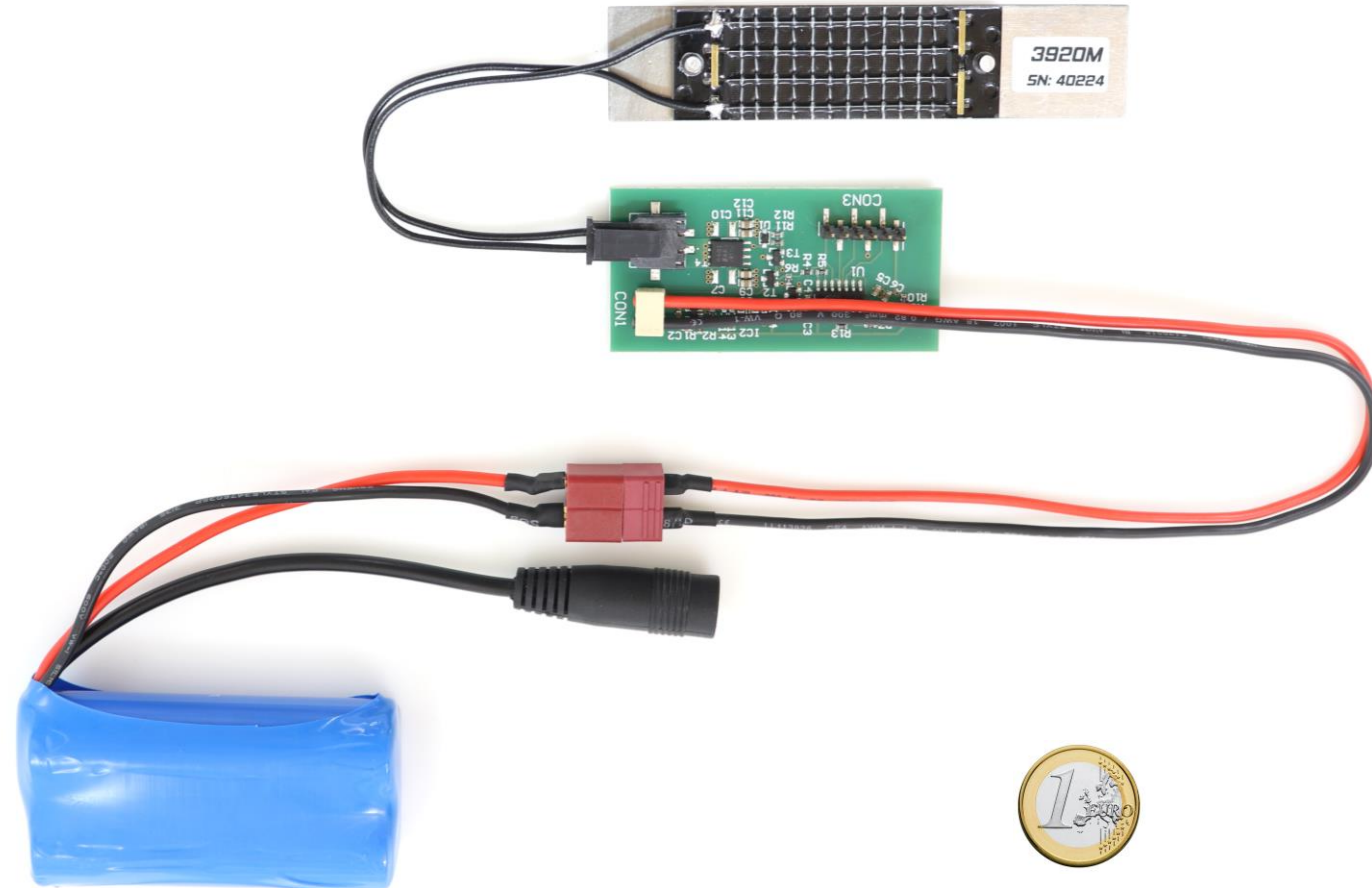


Smart Functions
*lids – locks – handles
and more*



The components

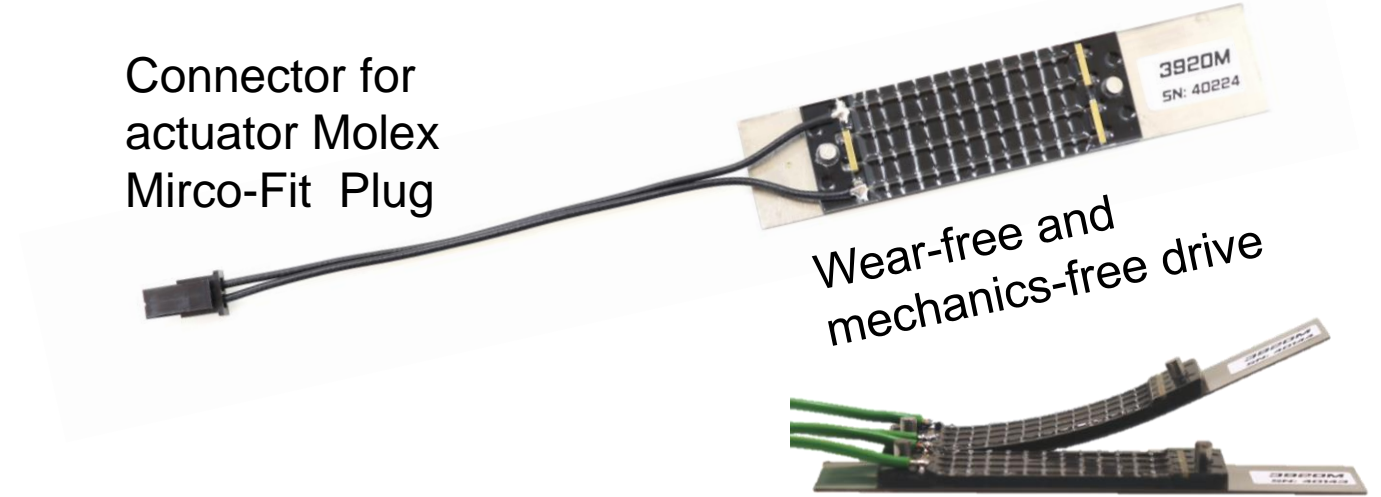
- The drive
 - Fast, robust and silent CompActive bending actuator
- The control
 - configurable PCB with comfortable touchless sensor
- The energy source
 - Rechargeable Li-Ion battery pack for autonomous operation or as power buffer with affordable plug-in power supply



Fast, robust and silent *Curve*[®] bending actuator

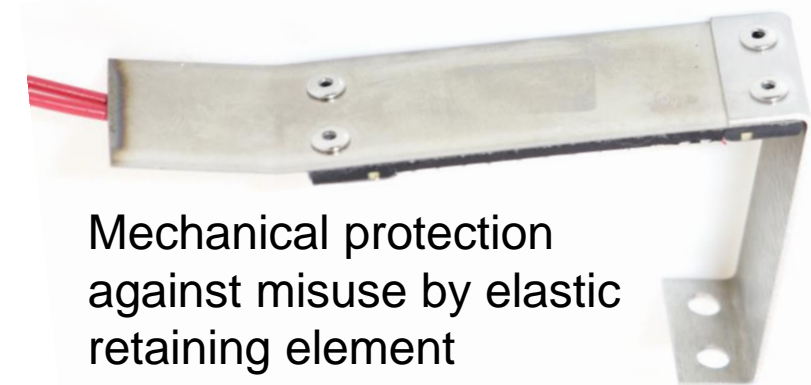
- Customizable in
 - Size
 - Force
 - Stroke
- Easy to integrate
- Inconspicuous
- Insensitive to media
- No wear
- No blocking
- Mechanical protection against misuse

Connector for actuator Molex Mirco-Fit Plug



Wear-free and mechanics-free drive

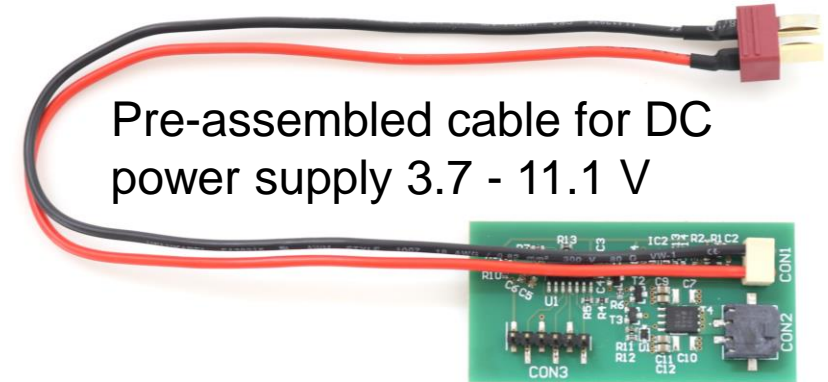
Mounting by riveted joint



Mechanical protection against misuse by elastic retaining element

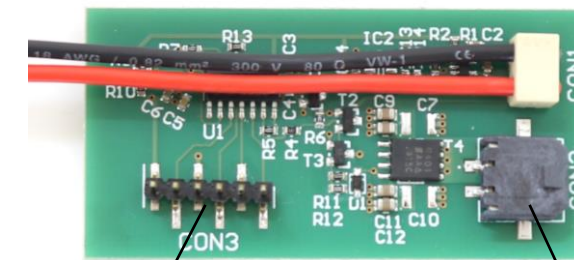
Configurable PCB with comfortable touchless sensor

- Adjustable dynamics
- Time-of-Flight (ToF) sensor with adjustable distance range on the rear side
- Input of extern trigger signal (optional)
- Insensitive to ambient light
- Easy mounting via adhesive tape
- Plug-And-Play
- Protection against misuse provided by software
- Corrosion protected by protective coating



Front side

Rear side



Programming interface / trigger pin (opt.)

Connector for actuator Molex Mirco-Fit socket

ToF sensor for gesture detection with cover glass

Rechargeable Li-Ion battery pack for autonomous operation or as power buffer with affordable plug-in power supply

- Protected by BMS
- Conventional charging connection
- Significantly more than 1000 activations per charge possible (depending on desired dynamics)
- Economical solution also for plugged-in operation with an affordable plug-in power supply due to buffer function
- Battery pack certified according to UN38.3
- Charger / power supply unit available

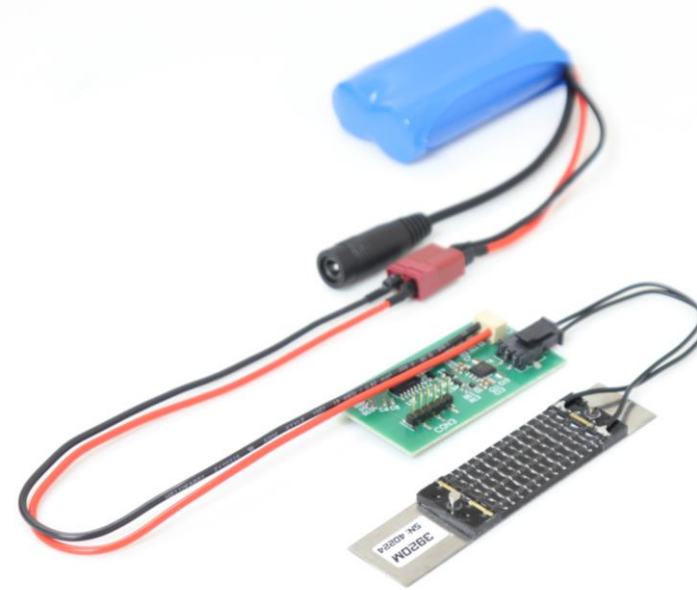
front side integrated
battery management
system (BMS)

2x Li-Ion 18650
7,4 V / 2,6 Ah



Your advantage with CompActive as development partner and supplier

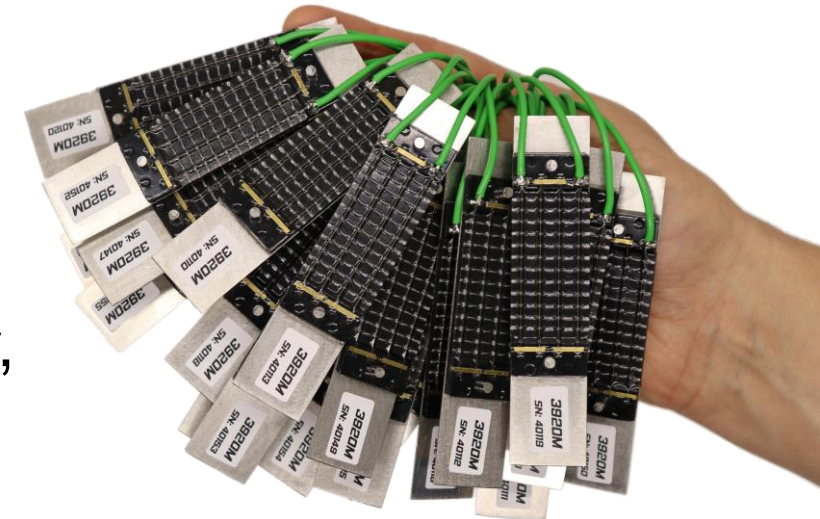
- Rapid setup of customized functional prototypes
- Easy customization
- Availability in small and large series (from 300 pieces)



Delivery of the complete system



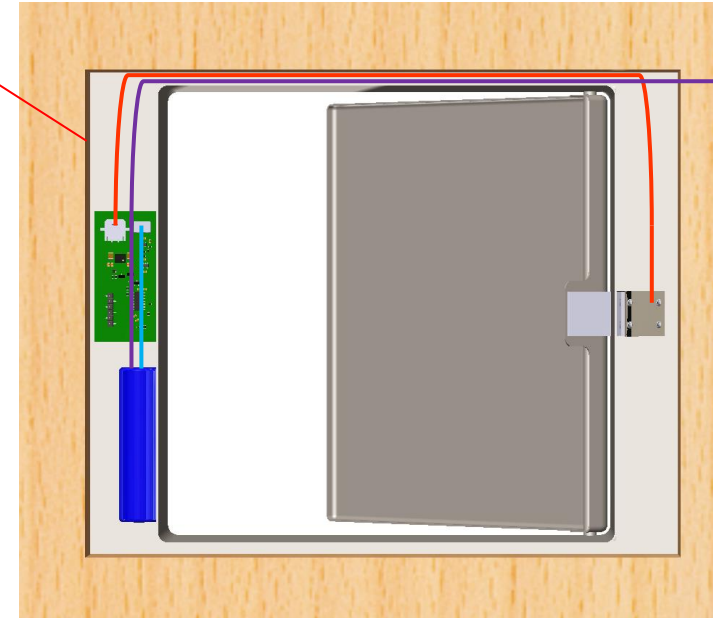
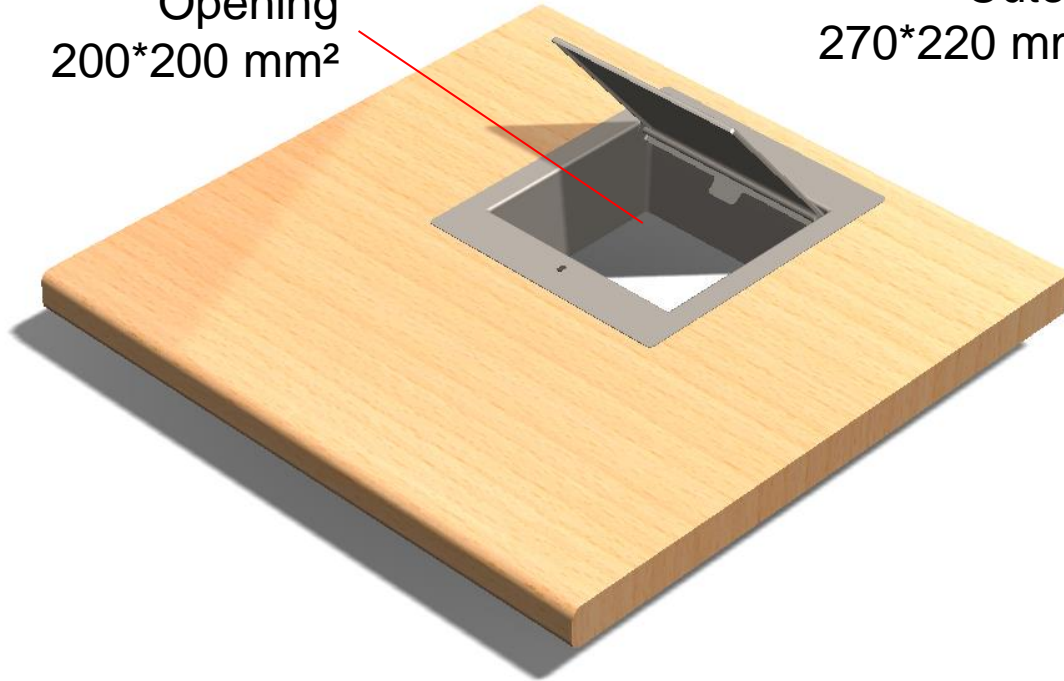
CURVE[®] actuators ready for assembly, pre-mounted or ready to install



Concept – surface-integrated lid opening

Opening
200*200 mm²

Cutout
270*220 mm²

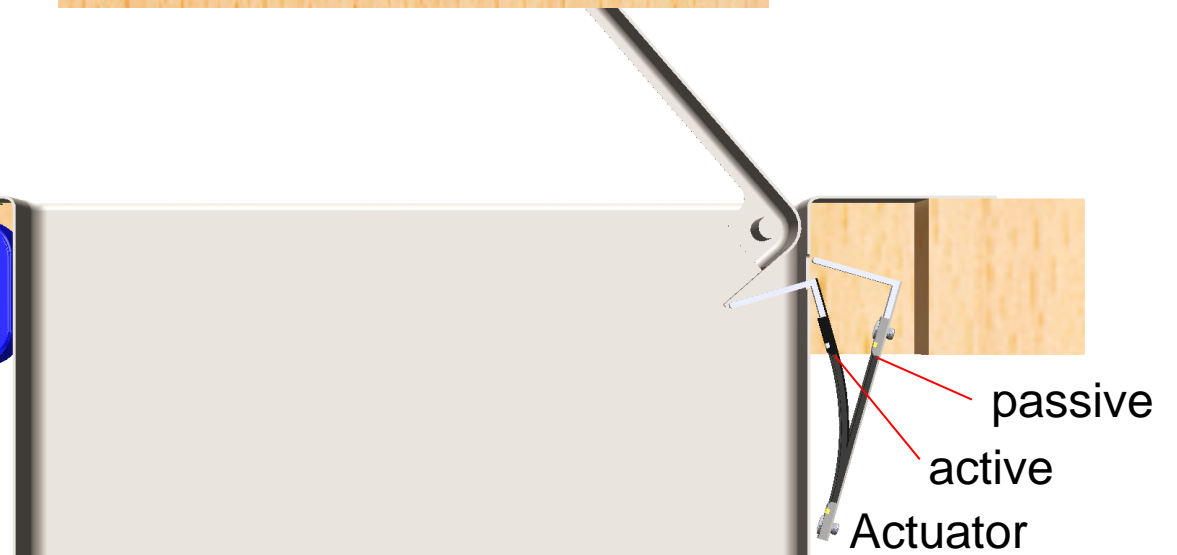
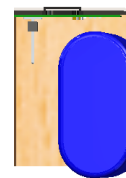


Connection with diode for trickle charge



affordable plug-in power supply

- Design example in sheet metal design, injection molding design also possible
- Easy cleaning of the free shaft after removal of lid
- Trouble-free use of the working area possible due to deactivation with sensor cover, magnetic switch, blockage detection etc.



Motion for Your Product!



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