

Fast Facts

New Generation Haptic Pedals

Reduced weight with optimized temperature performance and low consumption

The new actuators for haptic accelerator pedals tackle the current weak spots of systems available on the market and sets a clear mark regarding their weight, which is below 900 grams and is significantly below the total weight of comparable pedals.

The power increase which the driver feels when, for example, the drive changes from battery to combustion engine, has a consumption of less than one watt with a switched-on actuator and with it reaches a pedal power increase of at least 10 newtons.

Higher forces are possible with slight adjustments. Unlike conventional systems, the actuator also works absolutely reliably and without a time limit in the temperature range from -40 °C to 80 °C. Conventional systems frequently refuse to function in the case of long duty cycles. The intentionally simple and compact design is extremely sturdy and provides optimum pre-conditions for customer-specific applications.

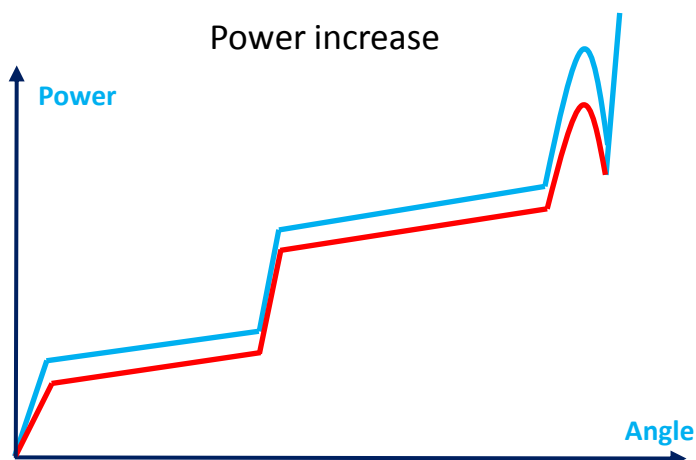
- Information path without distraction
- Subliminal function produces intuitive reaction

Special features

- Low weight
- Low current consumption in haptic mode
- Patent of actuator owned by TT Electronics

Typical features

- 15 N force reflection at a fixed position for hybrid cars
- Current consumption <100 mA
- Actuator reaction time <20 ms
- Power-on of the actuator infiniti (Foot rest possibility!)
- Supply voltage 12 V
- Safety feature; decoupling of the actuator from standard pedal function



General Note

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