Fast Facts

Pedals for trucks

Accelerator pedals are more than an Interface between driver and vehicle. Beside the driver´s perception of ergonomic and Kick-Down performance they support important functionalities for reducing fuel consumption, engine management and are also integrated into safety- and comfort systems.

Pedals for commercial vehicles are designed for extreme environment conditions hence realibility and robustness are highlights of TT´s touch pedal design.
For more than 10 years, TT Electronics develops fully customized pedal concepts by using standard design features, like contactless HALL technology or the contactless Autopad® technology.
Over the years TT Electronics becomes the market leader in EU für medium- and heavy duty truck applications.

Market segments

The TT Electronics commercial vehicle pedal design is ideal for the demanding requirements of

- Light-, medium- and heavy- duty trucks
- Buses

Innovation and experience

- Proprietary Autopad® sensortechnology (inductive, contactless)
- Production of ~ 4 million pedals annual, together with passenger cars

Typical features

- Contactless or potentiometric sensor technology
- Compact design
- Typical operating temperature from -40 °C to +85 °C
- Redundant output signal
- 5 V or 24 V supply voltage
- 2 Analog or 2 digital output signals (other output signal characteristics on demand)
- High Kick-Down force, typically 100 N
- FMVSS 124 and FMVSS 302 are mandatory

Design freedom and advantages

- Kick-Down force > 120 N possible
- No further calibration of the pedal necessary
- For LHD and RHD applications adapter plates could be designed to use one pedal design for different cabins

General Note
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