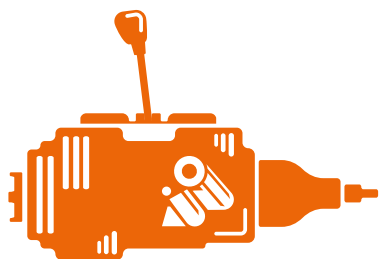


GEARSHIFTING ACTUATOR



TRANSMISSION EFFICIENCY

Improving the performance of transmissions and the drive train



Description of functionality:

The gearshifting function is required for the management of the two-speed electric transmissions.

These transmissions are often fitted on high-performance vehicles or commercial vehicles which may carry heavy loads.

These transmissions can be fitted on fully-electric or hybrid vehicles.

The rotational speeds of the electric drive motor and the requirements for smooth gear changes impose significant constraints on the gear change system, such as responsiveness, necessitating an extremely short response time.

EFI's Gearshifting actuator benefits from the latest advances in the Greenshift product line, combining high power density and advanced control law to provide a product with unmatched compactness and flexibility that satisfies the most demanding control systems.

Technical characteristics

- Highly compact
- Precise, multi-rotation position measurement of the output shaft
- Very fast response time
- Proven watertightness
- Option with and without on-board electronics
- Broad diagnostic options (for actuators with electronics)
- Cybersecurity protected (for actuators with electronics)