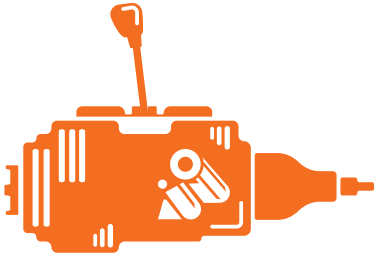


PARK LOCK ACTUATOR



TRANSMISSION EFFICIENCY

Improving the performance of transmissions and the drive train



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Description of functionality:

The Park Lock function is required for vehicles with automatic transmissions, in particular for electric or highly hybridized vehicles, in order to immobilize the vehicle during the parking phase and guarantee the safety of nearby people and property.

The strong growth in the electrification of drive chains, reinforced by the growth in the automation of vehicles, has led to the implementation of electric actuators, whose action consists of activating a trigger in a toothed wheel in order to create positive locking of the transmission and immobilize the vehicle.

Electrical technology with on-board electronics allows for better integration with future automotive electronic architectures, and contributes to extended battery life, advanced diagnostic requirements, and the creation of data related to the use of the function.

EFI's Park Lock 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 an ease of integration which is compatible with approaches.

Technical characteristics

- Wide range of output torque
- Highly compact
- Precise position measurement of the output shaft which is immune to electromagnetic interference
- Very fast response time
- Compatible with ISO26262 ASIL B and ASIL C
- Proven watertightness
- Option with and without on-board electronics
- Broad diagnostic options (for actuators with electronics)
- Cybersecurity protected (for actuators with electronics)

SENSE - BUILD - DRIVE

