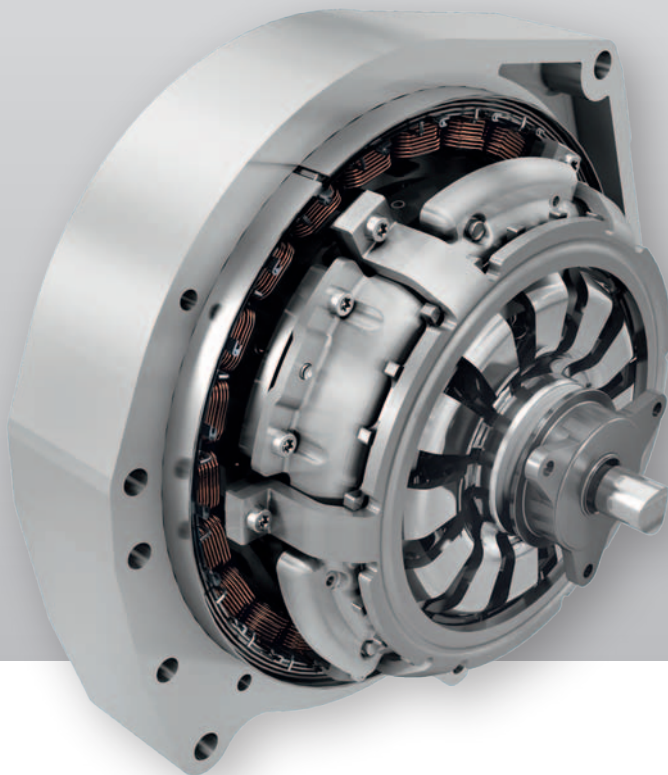


Engine
Chassis
Transmission
E-Mobility

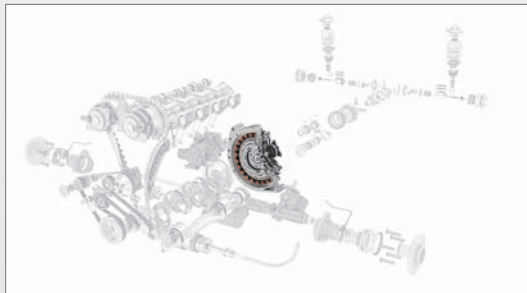
SCHAEFFLER

48-Volt Hybrid Module

EFFICIENT FUTURE MOBILITY



Innovative Solutions for Entry-level Hybridization with 48-volt Systems



Housing

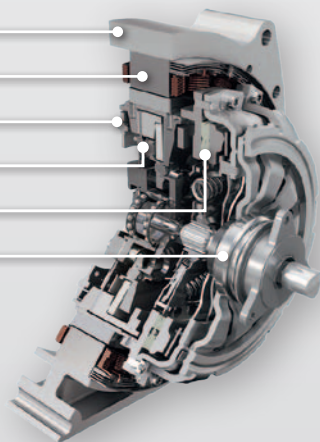
Stator

Resolver

Disconnect clutch

Startup clutch

Double concentric slave cylinder



Description

- Hybrid module for the electrification of vehicles with manual transmissions
- 48V/12kW electric motor
- Integrated automated disconnect and startup clutch

Functional advantages

- P2 functionality (e-creeping, boosting, recuperation in all gears)
- High comfort when restarting the engine due to impulse clutch
- All starts are possible using the disconnect clutch

Product benefits

- No changes to the transmission required
- No additional engine start system required
- No water cooling necessary
- Attractive fuel saving to cost ratio

Benefits of 48-V systems vs. high-voltage systems

- Eliminates the requirement for high-voltage safety measures
- Reduced outlay in combination with additional 48-V systems

Integration/installation

- Can be mounted as a unit between the internal combustion engine and the transmission