48 V Electric Axle
EFFICIENT FUTURE MOBILITY
**Description**
- Electric drive module, arranged coaxially to the drive train
- 48 V electric motor, air-cooled, peak power 12 kW
  Electro-hydraulically actuated wet clutch

**Functional advantages**
- Provides electric drive power close to the axle for moving off solely using electric power
- Driving maneuvers: e-creeping, e-sailing, stop and go, turning, parking, boosting, recuperation

**Product benefits**
- Axle torques of up to 1000 Nm for creeping using electric power
- 48 V minihybrid, based on electrical components (large-volume production) from belt-driven starter generators
- Designed for optimized use of space
- Economical mini hybridization with a large number of additional benefits
- Reduction in CO₂ emissions of up to 15 % (two-speed)

**Integration/installation**
- Compact coaxial design: Electric motor, transmission and clutch are integrated