Rolling bearings
Plain bearings
Linear technology

Axlebox Generator
for Railway Applications

FAG
SCHAEFFLER
Axlebox Generator for Railway Applications

Product features
Independent power generator for use in railcars as low- or highpower version

Technical advantages
• Cost-effective and reliable power supply solution for every railway application
• Supplies electrical energy in a wide range of train speeds between 15 – 180 km/h
• Standardized housing design can be flexibly adapted
• Integrated on-board status analysis (optional)

Customer benefits
• Provides power for a range of railway applications, e. g., GPS, condition monitoring, lighting, braking assistant and hopper wagon
• Generator design optimized for railway applications
• SIL 2 (upgradeable to SIL 3)
• Easy mounting
• Can be easily integrated into railway applications

Integration/installation
Rotor permanent magnet generator in compact disc design

Performance data high-power generator
• 90 W at a train speed up to 100 km/h
• 200 W at a train speed up to 150 km/h
• 260 W at a train speed up to 180 km/h

Performance data low-power generator
• 30 W at a train speed up to 35 km/h
• 50 W at a train speed up to 85 km/h