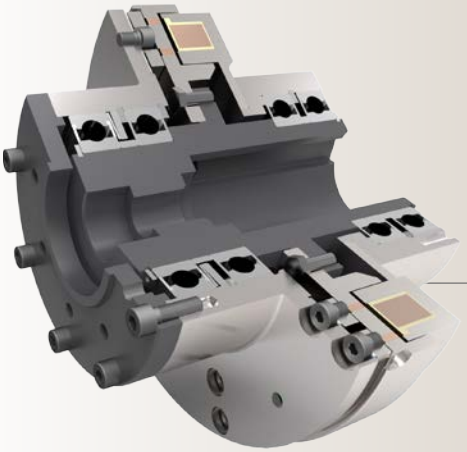

Clutches and Brakes

KEVO

For the actuation of auxiliary power generating sets in vehicles, general mechanical engineering

Electromagnetically connected Pole-Face Friction Clutch for a clean, simple control

STANDARD FEATURES
Coil body with coil: thermal class 155
Diaphragm: for low axial restoring forces
Anchor plate: positive heat dissipation thanks to ventilation effect
Special surface protection: nitrocarburized
Rotor/anchor plate: Steel-steel friction combination, Hardened for high wear resistance
Electrical connection: 2-pole plug or flying leads

Improved integration of various drive systems in drive trains (hybrid technology) and development of low-consumption drives require various units to be connected and disconnected. This requires clutches with a low consumption, very good space-torque ratio and disconnection almost free from residual torque.

Applications

Actuation of auxiliary power generating sets in agriculture machinery, municipal vehicles, and textile machines or compressor drives for cooling units, laundry machines, proof systems and PTO-drives.

Benefits include

- Torque from 7 Nm to 7800 Nm
- Electromagnetically operated for a clean, simple actuation
- 4-pole technology for high power density
- Small dimensions
- High switching frequency allowed
- Short switching times
- Fixed and wear-free power transmission without a slip ring
- Diaphragm technology allows for torque transmission free from backlash and disconnecting free from residual torque
- Low idling torque
- Low axial restoring power thanks to diaphragm
- Steel-steel friction combination, hardened for high wear resistance

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