



## 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

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

#### 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

