Pulley Decoupler
Pulley Decoupler (PYD)

Description
- Pulley integrated decoupler (arc spring design)
- PYD also covers TVD functionality

Functional advantages
- Reduction of irregularities and dynamic forces in the FEAD
- Reduced fuel consumption and CO₂ emissions due to lower static pre-tension of belt and friction losses
- PYD supports functions like comfort start/stop with belt alternator starter (BAS), eBoost and recuperation function

Product benefits
- PYD is suitable for conventional and BAS starter concepts
- Robust solution designed for > 1,000,000 starts

Benefits 12 V vs. 48 V
- Can be combined with 12 V and 48 V BAS
- PYD for 48 V BAS systems covers even higher requirements regarding dynamic forces and starting behavior

Integration/installation
- No additional integration outlay for the OEM