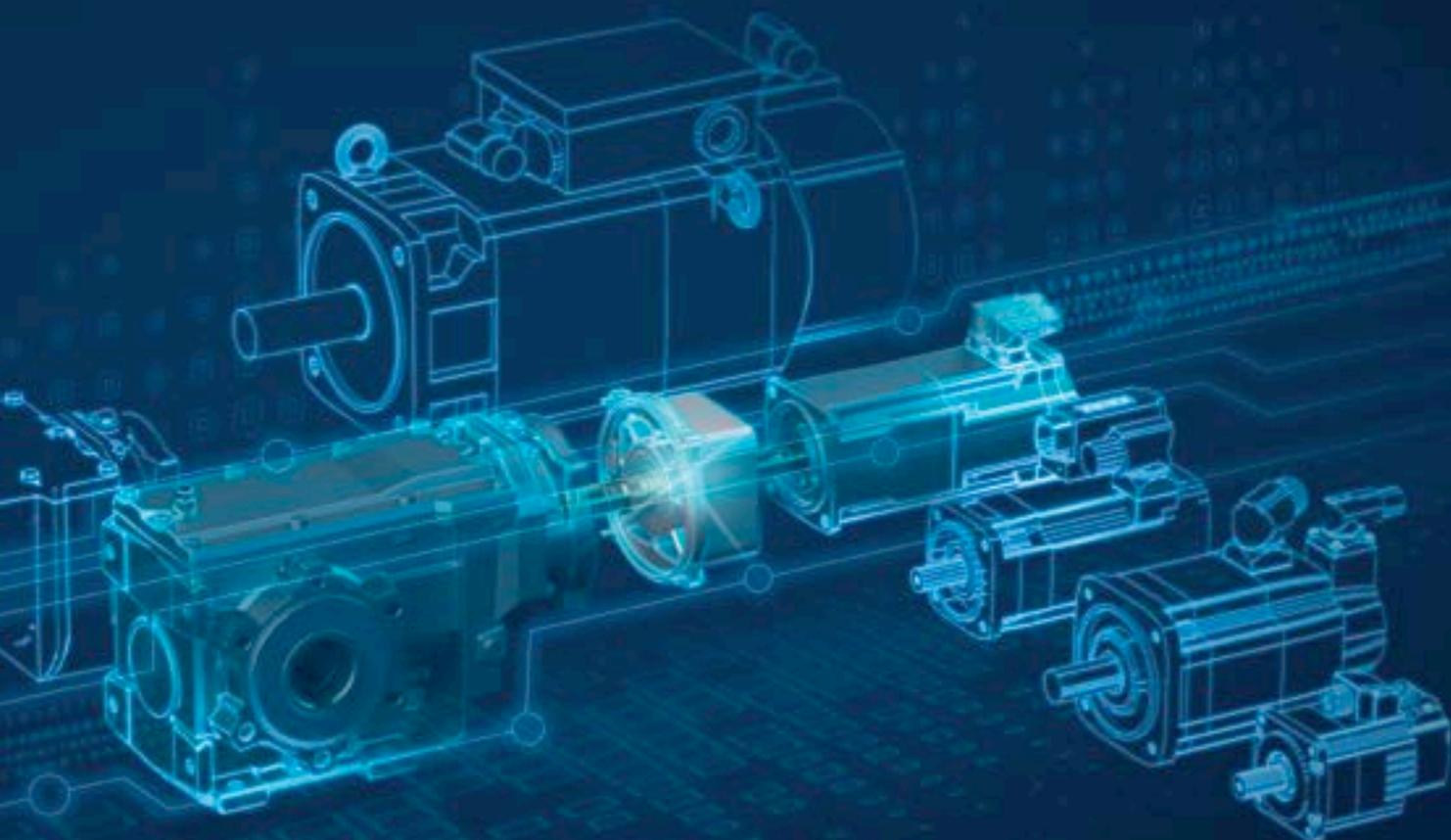


**SIEMENS**

*Ingenuity for life*



# SIMOGEAR KS adapter

Simplified handling  
for high-precision applications

# Simply combinable. One for all.

Siemens expands its portfolio of servo geared systems when offering a new coupling adapter especially designed for SIMOTICS servomotors. Here comes the SIMOGEAR KS adapter.

It is a flexible solution which enables connection to the various SIMOGEAR gear unit types with defined SIMOTICS servomotors. It is both adaptable and compact. This new solution enables to link different gear unit types to various SIMOTICS servomotors rather than using a separate dedicated adapter for each motor, so it radically simplifies handling. The benefits of the new adapter solution itself include shorter downtimes and lower costs due to simple installation and removal, optimized stock keeping and a backlash-free design enabling connection with no feather key as standard for high-precision applications. The solution is particularly suited for use in applications involving stringent demands in terms of precision, positioning, dynamics, compactness and weight. Thanks to all of these benefits Siemens is widening the offering for the servo drive systems market.

## The KS adapter offers the following benefits

- ✓ Fast and simple mounting and removal of the motor on the gearbox reduces the standstill times and costs
- ✓ Further cost savings due to optimized spare part stock - one flexible adapter that can be used with different servomotors
- ✓ Backlash-free design with no feather key as standard for high-precision applications



Sectors that benefit from the connection of SIMOGEAR gearboxes with SIMOTICS servomotors with the KS adapter include machine building, printing and conveyor systems. It is also used by manufacturers of production and packaging machinery and finds application in machine tools and storage and retrieval systems. This coupling adapter suits and is used in food&beverage for drives in box assembly machines, within the area of printing machines where used for auxiliary drives for winders and inking units. Also as part of actuators and knuckle-joint drives in injection molding machines within the plastic production industry. It is also utilized in logistics for hoists, travel and fork drives and for mechanical switches and insertion elements in positioning belts.

# Make the most of our complete solutions

The KS adapter is the preferred solution available to connect to various servomotors within the different functional performance and price segments, from standard ones through midrange level to high-end types. The KS adapter is being offered in six sizes developed to serve in precise operations. There are four types of gearboxes available to connect with the KS adapter - parallel shaft, helical, bevel and helical worm. Thereupon for every application it is possible to find the right gearbox. The KS adapter is mounted on a gearbox as standard and can be easily assembled with the chosen SIMOTICS servomotor. When combined with servomotors it provides the highest energy efficiency and high dynamic performance with precise motion sequences and it is perfectly adapted to serve every drive task.



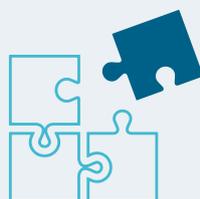
## With easy-to-use components

The KS adapter ensures a smooth handling solution. With its compactness and even shorter design compared to the KQ adapter it reduces the total size of the whole package. With only one adapter Siemens reduces the possible variants of offered adapters for servomotors and makes the result even more simple and easy to use for the customer.

The KS adapter offers back-lash free coupling without feather key which grants better accuracy and positioning. It provides the complete solution all in one package for the customer application with user-friendly installation by a simple solution made from the connection of the KS adapter assembled together with the gearbox, servomotor and on the top combined with a matching frequency converter. In addition it is able to serve almost every type of motion control task and performs as the right solution for every customer demand.



Flexible



Combinable



Optimized

# Technical data

SIMOTICS servomotors possible to connect with KS adapter*	SIMOTICS S-1FL6 SIMOTICS S-1FK2 SIMOTICS S-1FT7 SIMOTICS S-1FK7 SIMOTICS M-1PH8
Gearboxes possible to connect with KS adapter**	Parallel shaft Helical Bevel Helical Worm
Installation	Easy installation directly on the motor (with no feather key); easy motor change
KS adapter is available in sizes	03, 04, 05, 06, 08, 10
Compact design	KS adapter up to 35% shorter compared to former S-1FK7 servomotor KQ adapter solution
Ambient temperatures	-40 °C ... +60 °C
Max. input speed	KS adapter can be used for input speeds up to 4500 rpm
Material	Sizes 03-05: aluminium Sizes 06-10: cast iron
Configuration	KS adapter is included in Drive Technology Configurator

\* The KS adapter for SIMOTICS S-1FT7 and M-1PH8 is in preparation.

\*\* The KS adapter is supplied mounted on the gearbox as standard.

The KS adapter provides a solution for parallel shaft, helical, bevel or helical worm gearboxes

Servomotor	 SIMOTICS S-1FL6	 SIMOTICS S-1FK2	 SIMOTICS S-1FT7	 SIMOTICS S-1FK7	 SIMOTICS M-1PH8
Converter	 SINAMICS V90	 SINAMICS S210	 SINAMICS S120		



## Your benefits

- ✓ Shorter design
- ✓ Wider compatibility
- ✓ Easy installation

With the KS adapter is possible to combine five types of SIMOTICS servomotors and four types of SIMOGEAR gear units.

### KS adapter

The new coupling adapter is used for linking different types of SIMOTICS servomotors together with SIMOGEAR gear units.

Greater flexible and even more compatible the KS adapter is widening the servo drive system offering from SIEMENS.



SIMOGEAR KS adapter is included in the DT Configurator

**Published by  
Siemens 2019**

Digital Industries  
Motion Control

P.O. Box 31 80  
91050 Erlangen, Germany

Subject to changes and errors.

Article No. DFMC-B10091-00-7600  
Dispo 21500  
WÜ/1000173743 WS 04191.0

Printed in Germany  
© Siemens 2019

The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

To secure plants, systems and machines as well as networks against cyber attacks, a holistic Industrial Security concept must be implemented (and continuously updated) corresponding to current state-of-the-art technology. Products and solutions from Siemens are just one component of such a concept.

You can find additional information about Industrial Security at [siemens.com/industrialsecurity](https://www.siemens.com/industrialsecurity)

