



19.42

MLFB-Ordering data : 2KJ3101-2CA01-0AL1-Z
D01+G99+K06+L02+L75+Y00
{Y00:*ANL@0.37*|*AND@2500*}

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Gearbox	
Type designation	SIMOGEAR ZW19-KS-(4.1)
Gearbox	Helical gearbox ZW19
Mounting type gearbox	Foot-mounted design
Output shaft	V16 x 28 mm (Solid shaft with feather key)
Mounting position	(D01) M1
Transmission ratio	10.52 (957 / 91)
Nominal torque	83.00 Nm
Output speed	237.643 rpm
Output torque	14.87 Nm
Service factor	5.58
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	0.1 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	4.1 kg
Housing material first gearbox	Aluminum

Gearbox options	
Output shaft bearing	Standard bearing
Output shaft sealing	Standard sealing
Gearbox breather	Non-ventilated
Oil level control	Without
Oil drain	Oil drain plug
Backlash Design	(G99)
Torsional backlash	14.30 arcmin

Adapter	
Adapter	KS Coupling adapter for servo motors
Hole circle	90 mm
Centering	70 mm
Motor shaft	19x35 - 19x40 mm
Input speed (Info)	2500 rpm
Input power (Info)	kW
Input torque	1.4 Nm
Max. perm. input torque for continuous duty T1perm	5.1 Nm
Max. perm. input torque for short-time duty	12.7 Nm
Max. perm. input speed	4,500.0 rpm

Adapter options	

General options	
Surface treatments	Painted
Coating	(L02) Coating for normal environmental stress C1
RAL Color	(L75) 7016 anthracite gray
Coating on flange	-
Packing	Standard packing

Further information	
General product information	SIMOGEAR
Configurator	2KJ....
Operating instructions	
Gearbox	BA 2030
Adapter	BA 2039

Catalog	MD 50.11 Gearboxes with adapter
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Compatible motors	
Designation	MLFB-Ordering data
1FK2104	1FK2104-xxxx0-0xxx
1FK2204	1FK2204-xxxx0-0xxx
1FL604	1FL604x-2xxxx-xxGx 1FL604x-2xxxx-xxHx

The KS adapter is designed for attaching servomotors with plain shafts (without feather key).

SIMOTICS S-1FK2:

The system consisting of motor, adapter and gearbox can be executed in IP65 degree of protection. Due to its attachment to the KS adapter, the SIMOTICS S-1FK2 does not require the shaft sealing ring to meet the IP65 degree of protection and is also not mechanically compatible.
Permissible: - 1FK2XXX-XXXX0-XXXX (IP64; without shaft sealing ring)
Not permissible: - 1FK2XXX-XXXX1-XXXX (IP65; with shaft sealing ring)