



21.25

MLFB-Ordering data : 2KJ3510-1KA01-0FS1-Z
D11+H07+K06+L02+L75+Y00
{Y00:*ANL@4*|*AND@2500*}

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Gearbox	
Type designation	SIMOGEAR KF89-KS-(8.1)
Gearbox	Bevel gearbox KF89
Mounting type gearbox	Flange-mounted design
Output shaft	V50 x 100 mm (Solid shaft with feather key)
Mounting position	(D11) M1 output side A
Transmission ratio	41.54 (8,225 / 198)
Nominal torque	1,570.00 Nm
Output speed	60.183 rpm
Output torque	634.73 Nm
Service factor	2.47
Gear oil	(K06) Mineral oil CLP VG220
Oil charge	2.0 l
Specification	CE (Europe / other countries)
Environment temperature	-15 ... +40 °C
Weight without oil	80.8 kg
Housing material first gearbox	Cast iron

Gearbox options	
Flange diameter	(H07) 300 mm
Hollow shaft cover	Sealing cap
Output shaft bearing	Standard bearing
Output shaft sealing	Standard sealing
Gearbox breather	Pressure breather valve
Oil level control	Oil level screw
Oil drain	Oil drain plug

Adapter	
Adapter	KS Coupling adapter for servo motors
Hole circle	165 mm
Centering	130 mm
Motor shaft	32x40 - 32x80 mm
Input speed (Info)	2500 rpm
Input power (Info)	4.00 kW
Input torque	15.3 Nm
Max. perm. input torque for continuous duty T1perm	47.0 Nm
Max. perm. input torque for short-time duty	117.5 Nm
Max. perm. input speed	4,500.0 rpm

Adapter options	
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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
1FK2208	1FK2208-xxxx0-0xxx
1FK708	1FK708x-xxxxx-xxGx 1FK708x-xxxxx-xxHx
1FT708	1FT708x-xxxx1-xxGx 1FT708x-xxxx1-xxHx 1FT708x-xxxx1-xxKx 1FT708x-xxxx1-xxLx 1FT708x-xxxx4-xxGx 1FT708x-xxxx4-xxHx 1FT708x-xxxx4-xxKx 1FT708x-xxxx4-xxLx
1PH808	1PH808x-xxxxx-0xxx

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

SIMOTICS S-1FT7:
Only the conventional flange is allowed. The recessed version cannot be mounted via the KS adapter.

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)