



Figure similar

MLFB-Ordering data 1FG1500-9PD34-4DA2-Z
D11+G99+H3A+K11+Q93+W50+X01

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Gearbox data

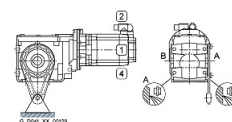
Gear box type	B19	Radial force maximum	1910 N
Gearbox basic type	Bevel geared	Max. permissible radial force with Mmax	1910 N
Gearbox size	19	Moment of inertia	0.02 kgcm ²
Transmission stages	2	Torsional stiffness	9 Nm/°
Transmission (ratio)	42.10	Efficiency	0.93
Gear number relation	3410/81	Mounting position	M1-A
Output moment maximum (short-time)	51 Nm	Mounting type	Torque plate
max. input speed (briefly)	4500 rpm	Output shaft version	Hollow shaft S disk standard I
Output speed short-time	107 rpm	Output shaft dimension	HS20 mm
Emergency off output moment (1000 cycles)	85 Nm	Gearbox flange diameter	-/-
Torsional backlash	13.00 '	Output shaft bearing	No
		Figure 2 torque support	1

General tech. specifications

Degree of protection	IP65
Color of the housing	Jet black, matt RAL 9005
Specification	CE / UL / CSA / EAC / cRUus
Net weight	10.97 kg
1m-sound pressure level L _{pA} (Tol.+3dB(A))	65
Plug position	left (3)
Adapter flange position	top (default) (2)

Lubrication and sealing

Gear oil	Food-grade oil CLP ISO H1 VG460
Output shaft sealing	Standard
Oil charge	0.15 l



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Data sheet for SIMOTICS S-1FG1



Figure similar

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Motor data		Limiting data	
Motor type	Permanent-magnet synchronous motor	Maximum speed (short-time)	9000 rpm
Motor type	High Dynamic	Maximum torque	10.00 Nm
DC-link voltage, max.	510...720V	Motor current short term	12.5 A
Shaft height	48 mm	Optimum operating point	
Cooling	Natural cooling	Optimum speed	4500 rpm
Rated speed	4500 rpm	Optimum power	1.05 kW
Rated torque (100K)	2.20 Nm	Recommended Motor Module	
Rated power	1.04 kW	Rated inverter current	5.0 A
Rated current (100K)	3.00 A	Maximum inverter current	15.0 A
Static torque	3.30 Nm	Maximum torque	10.0 Nm
Static current	4.10 A		
Moment of inertia	1.00 kgcm ²		
Efficiency η	91 %		
Temperature monitoring	Pt1000 temperature sensor		
Connector size	1		
Encoder system	Resolver R14DQ: resolver 14 bits (resolution 16384, internal 2-pole)		

Info servo geared motor

Outside the standard temperature range of -10 to +40 °C, further selectable options must be observed, in addition to the lubricant selection.

Further, you have to check the suitability of the components and options used for the requested temperature range.

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Options		Standards	
D11	M1-A for bevel and worm gearboxes	Compliance with standards	CE / UL / CSA / EAC / cRUus
G99	Version with reduced backlash		
H3A	Hollow shaft S disk standard I	CE marking	EN 60034
K11	Food-grade oil CLP ISO H1 VG460		
Q93	Plug position left		
W50	Express delivery service for motors - fast lane		
X01	Paint finish: Jet black, matt RAL 9005		