



Technical Specifications:

planetary gear: straight-toothed
lifetime: 30.000h

output shaft bearing: grooved ball bearing
- max. axial load: 1200N by $F_r=0$ / $L_h=20.000h$
- max. radial load: 550N by $F_a=0$ / $L_h=20.000h$
- max. axial load: 1200N by $F_r=0$ / $L_h=30.000h$
- max. radial load: 500N by $F_a=0$ / $L_h=30.000h$
- related to the face of the flange output shaft
- $T=30^\circ C$ / $n_2=100$ 1/min

backlash: 1.stage \leq 16 arcmin / 2.stage \leq 20 arcmin
- ref. on output shaft

max. input speed: $n_1=13000$ 1/min⁽¹⁾

lubrication: life grease lubrication
Operating temperature: $-25^\circ C \dots +90^\circ C$
efficiency: by rated load (ratio dependently)
- ca. 96% 1.stage, ca.94% 2.stage

nominal output torque: by $n_2=100$ 1/min

sealing: bearing 2RS

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 4,5Nm

method of working: S1

operation ratio: $c_B=1$

protective system: IP 54

max. motor weight static: 3,5 kg

Material:

housing: Steel - black
input flange: Aluminium - untreated
output shaft: steel

flange according EN ISO 9409
with additional threads

⁽¹⁾ Operating temperature may
not be exceeded!

T_{2N} = nominal output torque
at flange output shaft [Nm]
emergency stop torque: 2 times T_{2N}

Modification reserve!

Consider motor fitting instructions!

max. middle ⁽¹⁾ ^(b)					
input speed at normal conditions and S1 duty					
i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}	i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}
3	3600	3000	9	4500	4150
4	4450	3200	12	4500	4500
5	4500	3650	15	4500	4500
8	4500	4500	16	4500	4500
			20	4500	4500
			25	4500	4500
			32	4500	4500
			40	4500	4500
			64	4500	4500

	1.stage		2.stage	
L1	69,5		82	
L2	45		57,5	
	i	T_{2N} ^(a)	i	T_{2N}
	3	28	9	44
	4	38	12	44
	5	40	15	44
	8	18	16	44
			20	44
			25	40
			32	44
			40	40
			64	18

		scale: 1:1		DIN A3	ISO
		data sheet PLFE 64 standard flange			
h		date	Name		
g		Auth. 03.07.06	Ille		
f		Aud. 03.07.06	Bühler		
e		Rel. 03.07.06	Huber		
d					
c			Neugart GmbH		
b	added	03.07.06	Keltenstrasse 16		Blatt
a	value adjustment	03.07.06	D - 77971 Kippenheim		BL.
sta.	change	date	nam	date 14.07.04	name Schaberger