



Technical Specifications:

planetary gear: straight-toothed
 Lifetime: 30.000h
 output shaft bearing: grooved ball bearing
 - max. axial load: 1200N by $F_r=0$ \backslash $L_h=20.000h$
 - max. radial load: 550N by $F_a=0$ \backslash $L_h=20.000h$
 - max. axial load: 1200N by $F_r=0$ \backslash $L_h=30.000h$
 - max. radial load: 500N by $F_a=0$ \backslash $L_h=30.000h$
 - related to the face of the flange output shaft \backslash $T=30^\circ C$ \backslash $n_2=100$ 1/min
 backlash: 1.stage ≤ 20 arcmin / 2.stage ≤ 25 arcmin
 - ref. on output shaft
 max. input speed: $n_1=13000$ 1/min⁽¹⁾
 recommended input speed: $n_1 \leq 4000$ 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

Modification reserve!
 Consider motor fitting instructions!

flange according EN ISO 9409
 with additional threads

⁽¹⁾ Operating temperature may not be exceeded!

Mn = nominal output torque at flange output shaft [Nm]

	1.stage		2.stage	
L1	69,5		82	
L2	45		57,5	
	i	Mn	i	Mn
	3	12	9	44
	4	16	12	44
	5	16	15	44
	8	15	16	44
			20	44
			25	40
			32	44
			40	40
			64	18

				scale: 1:1		DIN A3		ISO	
h				date	Name				
g				Auth.	14.07.04	Ille			
f				Aud	14.07.04	Bühler			
e				Rel.	15.09.04	Huber			
d									
c				Neugart GmbH					
b				Keltenstrasse 16					
a				D - 77971 Kippenheim					
sta.	change	date	nam	draw-No.:		MB - 1110		Blatt	
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				date		name			

data sheet PLFE 64
 standard flange