



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 6500N by  $n_2=100$  1/min  $L_h > 10.000h$
- max. axial load: 6000N by  $n_2=100$  1/min  $L_h > 10.000h$
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox  
backlash at output shaft:

≤ 8 arcmin; reduced ≤ 6 arcmin

lifetime: > 30.000h

efficiency: by rated load 94% (depends on ratio)

lubrication: lifetime-lubrication

nominal output torque at  $n_1 = 3000$  1/min

operating temperature: -20°C bis +90°C

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 20/35 Nm
- operation mode: S1  
operation ratio: CB1  
protection system IP 54

$i =$	3	4	5	7	10
nominal output torque [Nm]	230	310	310	310	180
max. acceleration torque [Nm]	360	460	460	460	340
emergency torque [Nm]	860	1000	1000	1000	800

consider mounting instruction  
subject to modifications

Zust.	Anderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:	Blaht 1 1 Bl.
					DS1500402-1		
Verwendungsbereich				Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr.) (Modell- oder Gesenk-Nr.)	(Gewicht)
			Datum	Name			
			Bearb. 17.10.16	BITZER		EPL 150/1 24x50	
			Gepr.			pd110 bc165 4xM10 sq140	
			Norm				
			Tolerierung ISO 8015				