



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 1300N by $n_2=100$ 1/min $L_h > 10.000h$
- max. axial load: 500N 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:

≤ 14 arcmin; reduced ≤ 8 arcmin

lifetime: $> 30.000h$

efficiency: by rated load 92% (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: 6 Nm
- operation mode: S1
- operation ratio: CB1
- protection system IP 54

$i =$	12	16	20	25	35	40	50	70	100
nominal output torque [Nm]	80	100	100	100	100	100	100	100	64
max. acceleration torque [Nm]	100	125	125	125	125	125	125	125	80
emergency torque [Nm]	160	216	216	216	216	216	216	216	160

consider mounting instruction
subject to modifications

Zust.	Änderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:
Verwendungsbereich				Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr) (Modell- oder Gesenk-Nr)
			Datum	Bearb. 11.06.16	Name BITZER	EPL 84/2 14x30 pd/0 bc85 4xø7 ø105
				Gepr.		
				Norm		
				Tolerierung ISO 8015		
				DS0840403-2		Blatt 1
						1 Bl.