

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:

≤ 10 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: 6 Nm
- operation mode: S1
- operation ratio: CB1
- protection system IP 54

	$i =$	3	4	5	7	10
nominal output torque [Nm]		40	54	54	54	40
max. acceleration torque [Nm]		70	100	100	100	75
emergency torque [Nm]		160	216	216	216	160

consider mounting instruction
subject to modifications

Zust.	Änderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:	Blatt
							1 Bl.
Verwendungsbereich				Allgemein-toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr.) (Modell- oder Gesenk-Nr.)	(Gewicht)
Datum				Bearb. 08.06.16	Name BITZER	EPL 84/1 14x30	
Norm				Gepr.		pd110 bc130 4xM8 ø160	
Tolerierung ISO 8015							
					DS0840418-1		