



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 2600N by $n_2=100$ 1/min $L_h > 10.000h$
- max. axial load: 1000N 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:

≤ 12 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: 20 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]	170	210	210	210	210	210	210	210	165
max. acceleration torque [Nm]	215	255	255	255	255	255	255	255	180
emergency torque [Nm]	400	480	480	480	480	480	480	480	410

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)		(Gewicht)	
Datum						Bearb. 04.10.16		Name BITZER		EPL 118/2 19x40			
Norm						Gepr.		Tolerierung ISO 8015		pd80 bc100 4xø7 ø118			
										DS1180402-2			
										Blatt 1		1 Bl.	

consider mounting instruction
subject to modifications