



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

consider mounting instruction
subject to modifications

Zust.	Änderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:	Blatt 1
					DS1180434-2		1 Bl.
Verwendungsbereich				Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohrteil-Nr) (Modell- oder Gesenk-Nr)	(Gewicht)
			Datum	Bearb. 15.10.16	Name BITZER	EPL 118/2 24x50	
			Gepr.	Norm		pd95 bc115 4xM8 sq120	
				Tolerierung ISO 8015			