



output shaft bearing: taper roller bearing

- max. radial load: 6300N by n2=100 1/min Lh > 10.000h
- max. axial load: 5600N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox

backlash: ≤ 3 / 5 arcmin reference to output shaft

torsional stiffness: 40 Nm/arcmin

lifetime: > 30.000h

efficiency at load: 96% (depends on ratio)

lubrication: lifetime lubrication

running noise: ≤ 64 dbA (measured in 1m distance at n1=3000 1/min)

nominal output torque at n1 = 3000 1/min

i =	3	4 / 5 / 7	10
nominal output torque [Nm]	110	150	115
max. acceleration torque [Nm]	180	250	200
emergency torque [Nm]	500	600	500

allowed average speed: 4000 1/min

- max. speed: 6000 1/min (allowed operating temp. must be considered)
- operating temperature: -20°C bis +90°C
- motor mounting: M2 (supported drive pinion)
- torque of clamping screw: 35 Nm

operation mode: S1

operation ratio: S1

protection system: IP 65

consider mounting instruction subject to modifications

Zust	Anderung	Datum	Name	Ursprung:	Ersatz für:		Ersatz durch:		
					DS1000403-1				
Verwendungsbereich					Allgemein-toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Gewicht)		
Datum					Bearb. 07.08.16	BITZER	ESP 100/1 24x50		
Norm					Gepr.		pd130 bc165 4xM10 sq140		
Tolerierung ISO 8015									
Eisela Antriebstechnik									
Blatt 1									
1 Bl.									