



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 2600N by n2=100 1/min Lh > 10.000h
- max. axial load: 1000N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox  
backlash at output shaft:  
≤ 8 arcmin; reduced ≤ 6 arcmin  
lifetime: > 30.000h  
efficiency: by rated load 94% (depends on ratio)  
lubrication: lifetime-lubrication

- nominal output torque at n1 = 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 =	3	4	5	7	10
nominal output torque [Nm]	100	120	120	120	105
max. acceleration torque [Nm]	180	200	200	200	180
emergency torque [Nm]	200	480	480	480	410

consider mounting instruction  
subject to modifications

Zust.	Änderung	Datum	Name	Ursprung:	Ersatz für:	Ersatz durch:	Blatt 1
					DS1180487-1		1 Bl.
Verwendungsbereich				Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr) (Modell- oder Gesenk-Nr)	(Gewicht)
Datum				Bearb. 26.09.16	Name BITZER	EPL 118/1 24x50	
Norm				Gepr.		pd95 bc130 4xM8 sq120	
Tolerierung ISO 8015							
				EPL 118/1 24x50			
				pd95 bc130 4xM8 sq120			