



- 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 |

| | | | | | |
|--------------------|----------|---|------------------------|--|---------------|
| Verwendungsbereich | | Allgemein- toleranzen ISO 2768-mH | Kanten ISO 13715 | Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr.) (Modell- oder Gesenk-Nr.) | (Gewicht) |
| Datum | | Bearb. 04.06.16 | Name BITZER | EPL 84/1 14X30 | |
| Norm | | Tolerierung ISO 8015 | | pd50 bc95 4xM8 sq90 | |
| Zust. | Änderung | Datum | Name | Ersatz für: | Ersatz durch: |
| | | | | DS0840416-1 | |
| | | | | Blaß | 1 |
| | | | | 1 Bl. | |

consider mounting instruction
subject to modifications