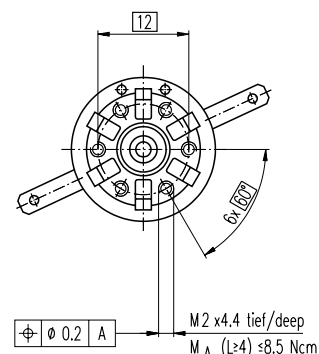


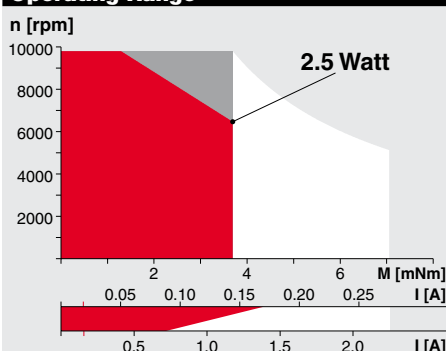
maxon A-max

**Order Number**

Specifications	Operating Range	Comments	Details on page 49
● Axial play 0.05 - 0.15 mm ● Max. sleeve bearing loads - axial (dynamic) 1.0 N - radial (5 mm from flange) 2.7 N - Force for press fits (static) 80 N ● Max. ball bearing loads - axial (dynamic) 3.3 N - radial (5 mm from flange) 11.9 N - Force for press fits (static) 45 N ● Radial play sleeve bearing 0.012 mm ● Radial play ball bearing 0.025 mm ● Ambient temperature range -30 ... +85°C ● Max. rotor temperature +125°C ● Number of commutator segments 9 ● Weight of motor 33 g	n [rpm] 2.5 Watt M [mNm] I [A]	Recommended details on page 49 Continuous operation In observation of above listed thermal resistances (lines 19 and 20) the maximum permissible rotor temperature will be reached during continuous operation at 25°C ambient. = Thermal limit Short term operation The motor may be briefly overloaded (recurring).	249990 Motor with high resistance winding 249983 Motor with low resistance winding

Details on page 49

- Axial play 0.05 - 0.15 mm
- Max. **sleeve bearing** loads
 - axial (dynamic) 1.0 N
 - radial (5 mm from flange) 2.7 N
 - Force for press fits (static) 80 N
- Max. **ball bearing** loads
 - axial (dynamic) 3.3 N
 - radial (5 mm from flange) 11.9 N
 - Force for press fits (static) 45 N
- Radial play **sleeve bearing** 0.012 mm
- Radial play **ball bearing** 0.025 mm
- Ambient temperature range -30 ... +85°C
- Max. rotor temperature +125°C
- Number of commutator segments 9
- Weight of motor 33 g



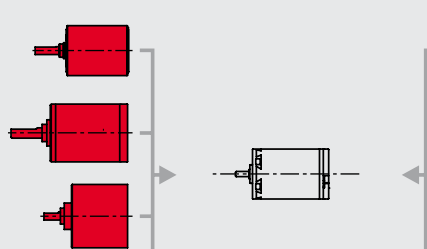
	Recommended operating range
	Continuous operation In observation of above listed thermal resistances (lines 19 and 20) the maximum permissible rotor temperature will be reached during continuous operation at 25°C ambient. = Thermal limit
	Short term operation The motor may be briefly overloaded (recurring).
	249990 Motor with high resistance winding
	249983 Motor with low resistance winding

Overview on page 17 - 21

Planetary Gearhead
 Ø19 mm
 0.1 - 0.3 Nm
 Details page 187

Planetary Gearhead
 Ø22 mm
 0.5 - 2.0 Nm
 Details page 190 / 191

Spur Gearhead
 Ø24 mm
 0.1 Nm
 Details page 192



Digital Magnetic Encoder Ø13 mm
16 CPT, 2 channels
Details page 223

Recommended Electronics:	
LSC 30/2	page 231
MIP 10	245
Notes	17

- maxon DC motor 107