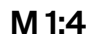


RE



Part numbers										
353294	353295	353296	353297	353298	353299	353300	353301			
388984	388985	388986	388987	388988	388989	388990	388991			

Specifications	Operating range	Comments
Thermal data 17 Thermal resistance housing-ambient 1.3 K/W 18 Thermal resistance winding-housing 1.85 K/W 19 Thermal time constant winding 123 s 20 Thermal time constant motor 1060 s 21 Ambient temperature -30...+100°C 22 Max. winding temperature +125°C	The graph plots speed n [rpm] on the y-axis (0 to 6000) against torque M [mNm] on the bottom x-axis (0 to 750) and current I [A] on the top x-axis (0 to 6.0). A red shaded region indicates the continuous operating range. A white region indicates the short-term operating range. A black curve represents the assigned power rating. A specific operating point is highlighted at 250 W and 353297.	Continuous operation In observation of above listed thermal resistance (lines 17 and 18) the maximum permissible winding temperature will be reached during continuous operation at 25°C ambient. = Thermal limit. Short term operation The motor may be briefly overloaded (recurring). Assigned power rating
Mechanical data (preloaded ball bearings) 23 Max. speed 5500 rpm 24 Axial play at axial load < 25 N 0 mm > 25 N 0.1 mm 25 Radial play preloaded 26 Max. axial load (dynamic) 70 N 27 Max. force for press fits (static) 420 N (static, shaft supported) 12 000 N 28 Max. radial load, 15 mm from flange 350 N	Modular system	Details on catalog page 48

maxon DC motor 165