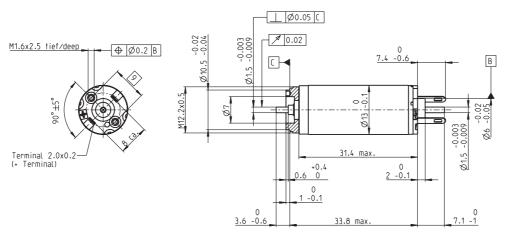
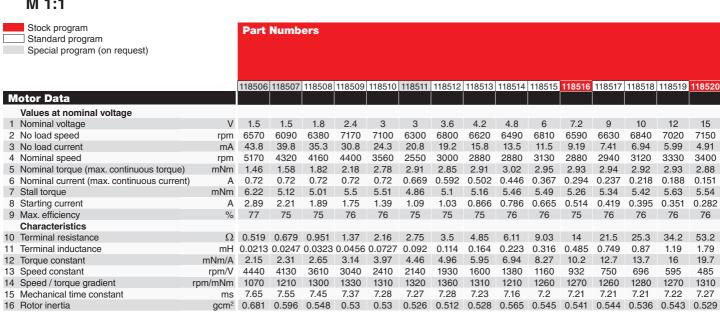
RE 13 Ø13 mm, Precious Metal Brushes, 2 Watt



M 1:1



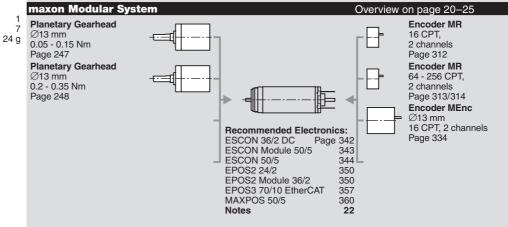
Specifications Thermal data Thermal resistance housing-ambient 33 K/W Thermal resistance winding-housing 7.0 K/W 19 Thermal time constant winding 4.88 s 20 Thermal time constant motor 229 s Ambient temperature -20...+65°C 22 Max. permissible winding temperature +85°C Mechanical data (sleeve bearings) 23 Max. permissible speed 11000 rpm 24 Axial play 0.05 - 0.15 mm Radial play 0.014 mm Max. axial load (dynamic) Max. force for press fits (static)

0.8 N 15 N (static, shaft supported) 95 N 28 Max. radial load, 5 mm from flange 1.4 N Other specifications

Number of pole pairs 30 Number of commutator segments Weight of motor

Values listed in the table are nominal. Explanation of the figures on page 79.

Comments **Operating Range** n [rpm] 2.0 W In observation of above listed thermal resistance 12000 (lines 17 and 18) the maximum permissible winding 10000 temperature will be reached during continuous op-8000 eration at 25°C ambient. = Thermal limit. 6000 4000 Short term operation The motor may be briefly overloaded (recurring). 2000 2.0 3.0 M [mNm] Assigned power rating 0.2 0.4 I[A]



April 2014 edition / subject to change maxon DC motor