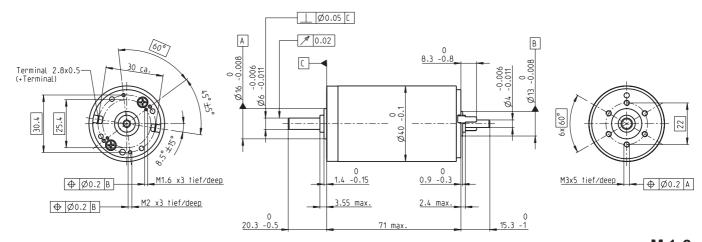
RE 40 Ø40 mm, Graphite Brushes, 150 Watt

qcm²

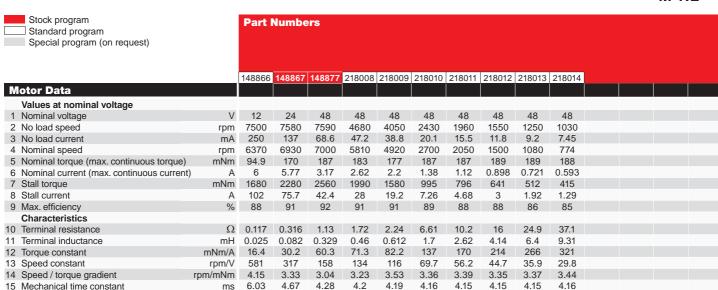
140

139

139



M 1:2



130

118

123

124

123

120

Specifications Comments **Operating Range** Thermal data n [rpm] 4.7 K/W Thermal resistance housing-ambient 150 W In observation of above listed thermal resistance Thermal resistance winding-housing 1.9 K/W 12000 (lines 17 and 18) the maximum permissible winding Thermal time constant winding 41.5 s temperature will be reached during continuous op-Thermal time constant motor 736 seration at 25°C ambient. -30...+100°C Ambient temperature 8000 = Thermal limit. Max. winding temperature +155°C Mechanical data (ball bearings) 4000 Short term operation Max. speed 12000 rpm The motor may be briefly overloaded (recurring). 24 Axial play 0.05 - 0.15 mm Radial play 0.025 mm 100 150 M [mNm] Max. axial load (dynamic) 5.6 N Assigned power rating 2.0 3.0 4.0 LIA Max. force for press fits (static) 110 N (static, shaft supported) 1200 N Max. radial load, 5 mm from flange 28 N Other specifications maxon Modular System Overview on page 20-25 Number of pole pairs Planetary Gearhead **Encoder MR** 30 Number of commutator segments 13 256 - 1024 CPT, Ø42 mm 480 g Weight of motor 3 - 15 Nm 3 channels Page 314 Page 356 Values listed in the table are nominal. Recommended Electronics: Encoder HED_ 5540 **Planetary Gearhead** Explanation of the figures on page 107. 500 CPT. Ø52 mm Page 22 Notes 4 - 30 Nm ESCON Mod. 50/5 379 3 channels Option FSCON 50/5 Page 318 380 Page 362/365 Preloaded ball bearings ESCON 70/10 380 Brake AB 28 24 VDC EPOS2 24/5 EPOS2 50/5 387 387 0.4 Nm EPOS2 70/10 387 Page 408 EPOS2 P 24/5 390 **Industrial Version** FPOS3 70/10 FtherCAT 393 Encoder HEDL 9140 MAXPOS 50/5 Page 368 Brake AB 28 Page 409 End cap Page 413

16 Rotor inertia