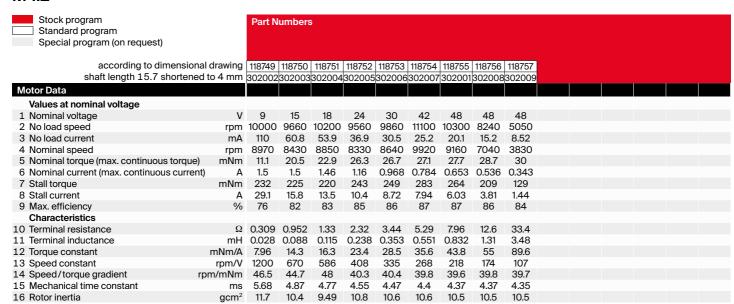


M 1:2



Specifications **Operating Range** Comments Thermal data n [rpm] Continuous operation 14 K/W 17 Thermal resistance housing-ambient In observation of above listed thermal resistance 18 Thermal resistance winding-housing 3.1 K/W 20 W (lines 17 and 18) the maximum permissible winding 15000 19 Thermal time constant winding $12.5 \, \mathrm{s}$ temperature will be reached during continuous 118752 612 s +100°C.. 20 Thermal time constant motor operation at 25°C ambient. 21 Ambient temperature 10000 = Thermal limit. 22 Max. winding temperature +125°C Mechanical data (ball bearings) Short term operation 5000 23 Max. speed 14000 rpm The motor may be briefly overloaded (recurring). 0.05 - 0.15 mm 24 Axial play 25 Radial play 0.025 mm Assigned power rating 26 Max. axial load (dynamic) 3.2 N 10 20 30 M [mNm] 27 Max. force for press fits (static) 64 N 1.5 0.5 1.0 ÍΓΑΊ (static, shaft supported) 800 N 28 Max. radial load, 5 mm from flange 16 N

Other specifications

- 29 Number of pole pairs
- 30 Number of commutator segments
- 31 Weight of motor

Values listed in the table are nominal Explanation of the figures on page 82. 11

130 g

Option

Preloaded ball bearings

Planetary Gearhead \emptyset 26 mm 0.75-4.5 Nm Page 390 Planetary Gearhead Recommended Electronics: Ø32 mm Notes 0.75-6.0 Nm ESCON Module 24/2 Page 392/393/396 ESCON 36/2 DC Koaxdrive ESCON Module 50/5 Ø32 mm **ESCON 50/5** 1.0-4.5 Nm EPOS4 Micro 24/5 Page 403 EPOS4 Mod./Comp. 24/1.5 **Screw Drive** EPOS4 Mod./Comp. 50/5 Ø32 mm EPOS4 Comp. 24/5 3-axes Page 426-433

Details on catalog page 38 **Encoder MR** 128-1000 CPT, 3 channels Page 478 **Encoder Enc** 22 mm

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500

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EPOS4 50/5

EPOS2 P 24/5

100 CPT, 2 channels Page 483 Encoder HED_5540 500 CPT, 3 channels Page 486/488 DC-Tacho DCT Ø22 mm 0.52 V Page 495 Brake AB 28 24 VDC

0.4 Nm Page 535