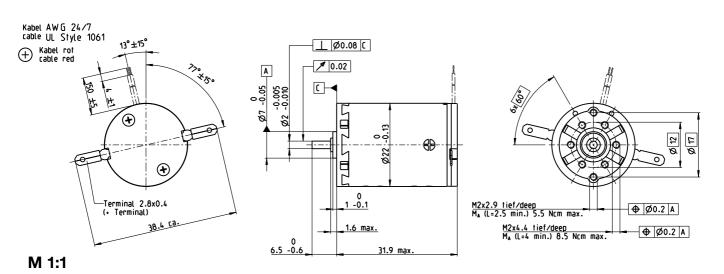
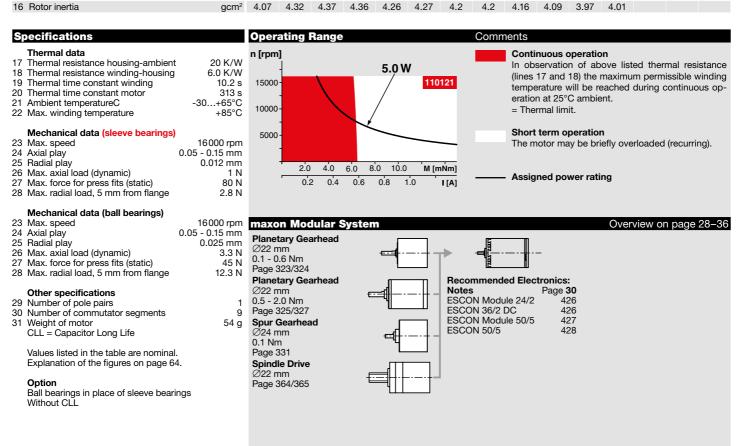
A-max 22 Ø22 mm, Precious Metal Brushes CLL, 5 Watt



Stock program **Part Numbers** Standard program Special program (on request) with terminals 110117 110119 110120 110121 110122 110123 110124 110125 110126 110127 110128 110129 with cables 139838 218799 238798 202413 258367 137255 134267 134666 267423 137476 310003 342390 **Motor Data** Values at nominal voltage Nominal voltage 12 12 30 36 48 2 No load speed 9630 9970 8760 10400 9400 10300 9970 10700 10800 9800 9280 8370 rpm No load current mΑ 29.5 20.8 16.8 16.8 14.2 13.1 10.4 8.81 7.18 5.06 3.47 2.93 7390 7300 6100 6700 7530 7220 8070 7000 6420 5520 4 Nominal speed rpm 7770 7970 5 Nominal torque (max. continuous torque) mNm 4.81 6.22 6.3 6.24 6.18 6.1 6.05 6.02 5.98 5.94 5.83 5.9 0.586 0.451 Nominal current (max. continuous current) 0.84 0.745 0.661 0.523 0.362 0.291 0.234 0.175 0.122 0.111 Stall torque 20.5 24.3 22.9 mNm 20.1 22.9 21.4 22 23.5 23.5 20.8 19 17.4 8 Stall current Α 3.42 2.68 2.11 2.23 1.77 1.65 1.28 1.11 0.894 0.599 0.387 0.32 9 Max. efficiency % 83 83 84 83 83 83 83 83 82 Characteristics 10 Terminal resistance Ω 1.76 3.36 4.27 5.39 6.78 9.07 14 21.6 33.5 60.1 124 150 11 Terminal inductance mΗ 0.106 0.222 0.288 0.362 0.445 0.584 0.89 1.37 2.1 3.68 7.29 8.95 12 Torque constant mNm/A 5.9 8.55 9.73 10.9 12.1 13.9 21.2 26.2 34.8 48.9 54.3 17.1 1620 981 790 450 274 176 13 Speed constant rpm/V 1120 875 689 558 364 195 14 Speed / torque gradient rpm/mNm 482 430 432 443 451 458 459 465 474 494 486 438 15 Mechanical time constant 20.5 19.7 20.2 20.1 20.3 20.3 19.8 19.7 19.8 20.2 20.5 20.4 ms



May 2017 edition / subject to change maxon DC motor 147